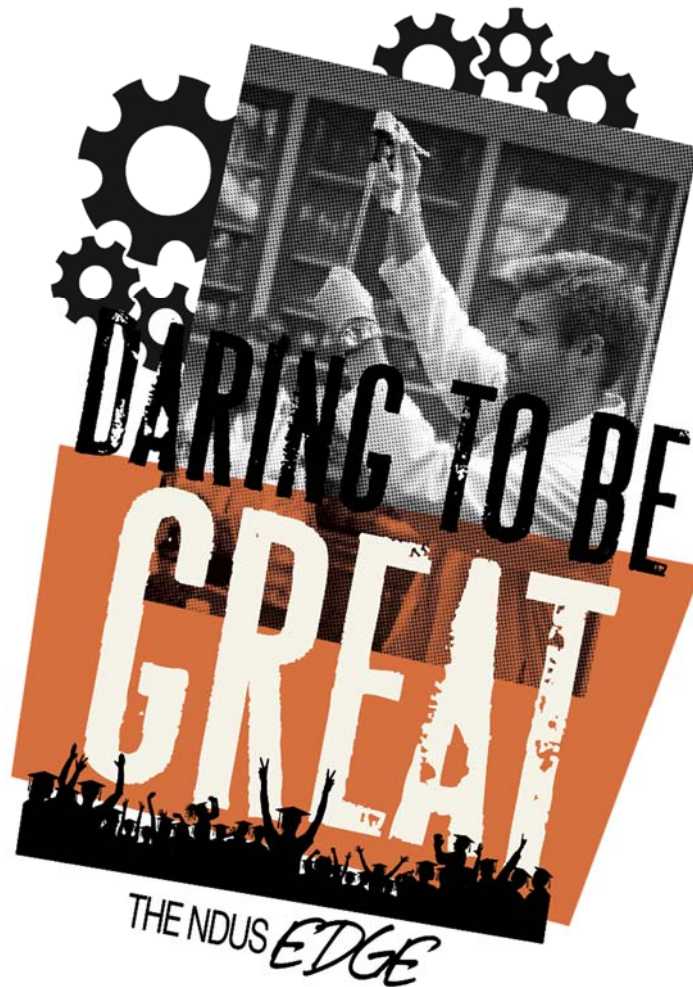


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North Dakota University System  
2016 Programs Enrolled

December 2016



Prepared for the  
State Board of Higher Education

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*Report prepared by*

**Jennifer Weber, M.S. Ed., NDUS Institutional Research**

# North Dakota University System Programs Enrolled

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## Institutional Abbreviations for NDUS Campuses

BSC	Bismarck State College — Bismarck, ND
DCB	Dakota College at Bottineau — Bottineau, ND
DSU	Dickinson State University — Dickinson, ND
LRSC	Lake Region State College Devils — Lake, ND
MaSU	Mayville State University — Mayville, ND
MiSU	Minot State University — Minot, ND
NDSCS	North Dakota State College of Science — Wahpeton, ND
NDSU	North Dakota State University — Fargo, ND
UND	University of North Dakota — Grand Forks, ND
VCSU	Valley City State University — Valley City, ND
WSC	Williston State College — Williston, ND



## Methodology

Program enrollment data presented in this report represents North Dakota University System (NDUS) student program enrollment during Fall 2016 academic term.

Program enrollment data is generated from the Campus Solutions student reporting system, using the NDUS Enrollment Report (Report NDUH2SRK – Compliance Report). This report produces a csv file of all students by program enrolled, with corresponding program Classification of Instructional Programs (CIP) code. Enrollment Report data was aggregated at the NDUS system level, filtered by undergraduate and post-baccalaureate level, and disaggregated by CIP code using Excel pivot tables.

Data is presented in this report in two sections. The undergraduate section (pages U1-U33) accounts for the 44,961 students enrolled in NDUS in Fall 2016 academic term. The graduate section (pages G1-G17) account for the 6,275 graduate and professional level students enrolled during this same term. In total, 47,236 student enrollments are represented in this report. A summary table is presented in Table 1.

Program enrollment data accounts for student enrollment in a program at each institution of attendance. Although program enrollments counted in this report are unduplicated, students who enroll at multiple institutions are counted at each institution, producing a duplicated student count.

## CIP and SOC Codes

All NDUS academic programs are categorized by unique CIP codes. Each CIP code has a corresponding program description. The CIP code taxonomy is maintained by the National Center for Educational Statistics (NCES) in the U.S. Department of Education. CIP codes consists of 47 academic categories, and each academic program is represented by a unique six digit CIP code. A complete list of CIP codes is available at:

<https://nces.ed.gov/ipeds/cipcode/resources.aspx?y=55>

The Standard Occupation Classification (SOC) is used by federal agencies to classify workers into occupational categories. Similar to CIP codes, each SOC code has a corresponding occupation description. The SOC code taxonomy consists of 23 major groups, and each occupation is represented by a unique six digit SOC code. A complete list of SOC codes is available at:

<http://www.bls.gov/soc/home.htm>

This document does not present the equivalent SOC codes for each program CIP code. The relationship between CIP and SOC codes is many-to-many, that is, one CIP code may correspond to many SOC codes, and vice versa. The *CIP 2010 to SOC 2010 Crosswalk* document is available on the NCES website to view the relationship between CIP and SOC coding:

<https://nces.ed.gov/ipeds/cipcode/resources.aspx?y=55>

**Table 1: Summary of NDUS Program Enrollments by Institution**

	BSC	DCB	LRSC	NDSCS	WSC	DSU	MASU	MISU	VCSU	NDSU	UND	NDUS Total
<b>Undergraduate Enrollments</b>	<b>3,976</b>	<b>811</b>	<b>1,947</b>	<b>3,003</b>	<b>1,039</b>	<b>1,381</b>	<b>1,108</b>	<b>3,136</b>	<b>1,295</b>	<b>12,010</b>	<b>11,255</b>	<b>40,961</b>
Freshmen	1,953	555	1,526	1,982	667	450	453	1,050	424	2,787	2,639	14,486
Sophomore	1,794	256	421	1,021	372	254	152	558	245	2,830	2,498	10,401
Junior	40					224	174	549	223	2,575	2,101	5,886
Senior	189					453	329	979	403	3,818	4,017	10,188
<b>Graduate/Professional Enrollments</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>5</b>	<b>22</b>	<b>276</b>	<b>157</b>	<b>2,422</b>	<b>3,393</b>	<b>6,275</b>
Graduate						5	22	276	157	2,082	2,872	5,414
Professional										340	521	861
<b>Total Program Enrollments</b>	<b>3,976</b>	<b>811</b>	<b>1,947</b>	<b>3,003</b>	<b>1,039</b>	<b>1,386</b>	<b>1,130</b>	<b>3,412</b>	<b>1,452</b>	<b>14,432</b>	<b>14,648</b>	<b>47,236</b>



**Table 2: Summary of NDUS Undergraduate Enrollments by CIP Category and Institution**

CIP Category	BSC	DCB	DSU	LRSC	MASU	MISU	NDSCS	NDSU	UND	VCSU	WSC	Grand Total
01-AGRICULTURE, AGRICULTURE OPERATIONS, AND RELATED SCIENCES	107	2	95	72			156	1,013			3	1,448
03-NATURAL RESOURCES AND CONSERVATION		15	9					71		70		165
04-ARCHITECTURE AND RELATED SERVICES								303				303
05-AREA, ETHNIC, CULTURAL, GENDER, AND GROUP STUDIES								15	10			25
09-COMMUNICATION, JOURNALISM, AND RELATED PROGRAMS	5		18		14	51		240	307	23		658
10-COMMUNICATIONS TECHNOLOGIES/TECHNICIANS AND SUPPORT SERVICES	15					5			43			63
11-COMPUTER & INFORMATION SCIENCES & SUPPORT SERVICES	72	3	50		5	77	52	423	254	21	18	975
12-PERSONAL & CULINARY SERVICES							33					33
13-EDUCATION		7	175		287	521		396	484	527		2,397
14-ENGINEERING								2,091	1,848	21		3,960
15-ENGINEERING TECHNOLOGIES AND ENGINEERING RELATED FIELDS	735	1		17			261		62		13	1,089
16-FOREIGN LANGUAGES, LITERATURES, AND LINGUISTICS				13		14		12	52			91
19-FAMILY AND CONSUMER SCIENCES/HUMAN SCIENCES		2		29	38			650				719
22-LEGAL PROFESSIONS AND STUDIES	4											4
23-ENGLISH LANGUAGE AND LITERATURE/LETTERS			9		3	26		71	83	9		201
24-LIBERAL ARTS AND SCIENCES, GENERAL STUDIES AND HUMANITIES	1,200	262	19	244	64	145	563		539	9	376	3,421
26-BIOLOGICAL AND BIOMEDICAL SCIENCES			36		53	104		681	539	6		1,419
27-MATHEMATICS AND STATISTICS			16		18	14		85	70	4		207
30-MULTI/INTERDISCIPLINARY STUDIES	5		74	1			1	469	75	26	5	656
31-PARKS, RECREATION, LEISURE, AND FITNESS STUDIES		7	69	19	104	66		348	181	32		826
38-PHILOSOPHY AND RELIGIOUS STUDIES								11	14			25
40-PHYSICAL SCIENCES			8		2	48		132	196	2		388
41-SCIENCE TECHNOLOGIES/TECHNICIANS									5			5
42-PSYCHOLOGY			35		30	75		304	445	30		919
43-HOMELAND SECURITY, LAW ENFORCEMENT, FIREFIGHTING AND RELATED PROTECTIVE SERVICES	55			64		131		281	294			825
44-PUBLIC ADMINISTRATION AND SOCIAL SERVICE PROFESSIONS	28					103			212	41		384
45-SOCIAL SCIENCES			27		9	17		213	219	7		492
46-CONSTRUCTION TRADES	70						39					109
47-MECHANIC AND REPAIR TECHNOLOGIES/TECHNICIANS	87			27			302				30	446
48-PRECISION PRODUCTION	38						91				21	150
49-TRANSPORTATION AND MATERIALS MOVING									1,361			1,361
50-VISUAL AND PERFORMING ARTS	60	12	20			62		280	124	28		586
51-HEALTH PROFESSIONS AND RELATED PROGRAMS	245	85	150	151	49	490	526	1,790	1,753	95	172	5,506
52-BUSINESS, MANAGEMENT, MARKETING, AND RELATED SUPPORT SERVICES	334	37	338	77	138	595	105	1,779	1,404	116	113	5,036
54-HISTORY			5			19		46	54	5		129
99-NON DEGREE	916	378	228	1,233	294	573	874	306	627	223	288	5,940
<b>Grand Total</b>	<b>3,976</b>	<b>811</b>	<b>1,381</b>	<b>1,947</b>	<b>1,108</b>	<b>3,136</b>	<b>3,003</b>	<b>12,010</b>	<b>11,255</b>	<b>1,295</b>	<b>1,039</b>	<b>40,961</b>

**Table 3: Summary of NDUS Post-Baccalaureate Enrollments by CIP Category and Institution**

<b>CIP Categories</b>	<b>DSU</b>	<b>MASU</b>	<b>MISU</b>	<b>NDSU</b>	<b>UND</b>	<b>VCSU</b>	<b>Grand Total</b>
01-AGRICULTURE, AGRICULTURE OPERATIONS, AND RELATED SCIENCES				189			189
03-NATURAL RESOURCES AND CONSERVATION				37	23		60
04-ARCHITECTURE AND RELATED SERVICES				49			49
09-COMMUNICATION, JOURNALISM, AND RELATED PROGRAMS				40	5		45
11-COMPUTER & INFORMAION SCIENCES & SUPPORT SERVICES				80	40		120
13-EDUCATION		5	96	301	796	150	1,348
14-ENGINEERING				295	131		426
15-ENGINEERING TECHNOLOGIES AND ENGINEERING RELATED FIELDS					6		6
16-FOREIGN LANGUAGES, LITERATURES, AND LINGUISTICS					12		12
19-FAMILY AND CONSUMER SCIENCES/HUMAN SCIENCES				81			81
22-LEGAL PROFESSIONS AND STUDIES					230		230
23-ENGLISH LANGUAGE AND LITERATURE/LETTERS				36	33		69
26-BIOLOGICAL AND BIOMEDICAL SCIENCES				183	70		253
27-MATHEMATICS AND STATISTICS				73	13		86
30-MULTI/INTERDISCIPLINARY STUDIES				2			2
31-PARKS, RECREATION, LEISURE, AND FITNESS STUDIES					24		24
40-PHYSICAL SCIENCES				94	100		194
42-PSYCHOLOGY			21	39	170		230
43-HOMELAND SECURITY, LAW ENFORCEMENT, FIREFIGHTING AND RELATED PROTECTIVE SERVICES			3	26	18		47
45-SOCIAL SCIENCES				25	111		136
49-TRANSPORTATION AND MATERIALS MOVING				11	159		170
50-VISUAL AND PERFORMING ARTS				32	19		51
51-HEALTH PROFESSIONS AND RELATED PROGRAMS			36	501	956		1,493
52-BUSINESS, MANAGEMENT, MARKETING, AND RELATED SUPPORT SERVICES			113	151	90		354
54-HISTORY				32	23		55
99-NON DEGREE	5	17	7	145	158	7	339
<b>Grand Total</b>	<b>5</b>	<b>22</b>	<b>276</b>	<b>2,422</b>	<b>3,393</b>	<b>157</b>	<b>6,275</b>

Table 4: NDUS Undergraduate Enrollments by CIP Code and Institution

CIP Classification	CIP Program Description	BSC	DCB	DSU	LRSC	MASU	MISU	NDSCS	NDSU	UND	VCSU	WSC	Grand Total
<b>01-AGRICULTURE, AGRICULTURE OPERATIONS, AND RELATED SCIENCES</b>		<b>107</b>	<b>2</b>	<b>95</b>	<b>72</b>			<b>156</b>	<b>1,013</b>			<b>3</b>	<b>1,448</b>
01.0000 - Agriculture, General.	A program that focuses on the general principles and practice of agricultural research and production and that may prepare individuals to apply this knowledge to the solution of practical agricultural problems. Includes instruction in basic animal, plant, and soil science; animal husbandry and plant cultivation; soil conservation; and agricultural operations such as farming, ranching, and agricultural business.			56					57			3	116
01.0101 - Agricultural Business and Management, General.	A general program that focuses on modern business and economic principles involved in the organization, operation, and management of agricultural enterprises.	51			72			88					211
01.0102 - Agribusiness/Agricultural Business Operations.	A program that prepares individuals to manage agricultural businesses and agriculturally related operations within diversified corporations. Includes instruction in agriculture, agricultural specialization, business management, accounting, finance, marketing, planning, human resources management, and other managerial responsibilities.								121				121
01.0103 - Agricultural Economics.	A program that focuses on the application of economics to the analysis of resource allocation, productivity, investment, and trends in the agricultural sector, both domestically and internationally. Includes instruction in economics and related subfields as well as applicable agricultural fields.								156				156
01.0104 - Farm/Farm and Ranch Management.	A program that prepares individuals to manage farms, ranches, and similar enterprises. Includes instruction in applicable agricultural specialization, business management, accounting, taxation, capitalization, purchasing, government programs and regulations, operational planning and budgeting, contracts and negotiation, and estate planning.	56		2									58
01.0105 - Agricultural/Farm Supplies Retailing and Wholesaling.	A program that prepares individuals to sell agricultural products and supplies, provide support services to agricultural enterprises, and purchase and market agricultural products. Includes instruction in basic business management, marketing, retailing and wholesaling operations, and applicable principles of agriculture and agricultural operations.			37									37
01.0201 - Agricultural Mechanization, General.	A program that generally prepares individuals to sell, select, and service agricultural or agribusiness technical equipment and facilities, including computers, specialized software, power units, machinery, equipment structures, and utilities. Includes instruction in agricultural power systems, planning and selecting materials for the construction of support facilities, mechanical practices associated with irrigation and water conservation, erosion control, and agricultural data processing systems.								90				90
01.0205 - Agricultural Mechanics and Equipment/Machine Technology.	A program that prepares individuals to maintain and repair specialized farm, ranch, and agribusiness power equipment and vehicles. Includes instruction in the principles of diesel, combustion, electrical, steam, hydraulic, and mechanical systems and their application to the maintenance of terrestrial and airborne crop-spraying equipment; tractors and hauling equipment; planting and harvesting equipment; cutting equipment; power sources and systems for silos; irrigation and pumping equipment; dairy, feeding, and shearing operations; and processing systems.							68					68
01.0304 - Crop Production.	A program that prepares individuals to cultivate grain, fiber, forage, oilseed, fruits and nuts, vegetables, and other domesticated plant products. Includes instruction in basic principles of plant science, health, and nutrition as applied to particular species and breeds; soil preparation and irrigation; pest management; planting and harvesting operations; product marketing; and applicable issues of safety, regulation, logistics, and supply.								246				246

Table 4: NDUS Undergraduate Enrollments by CIP Code and Institution

CIP Classification	CIP Program Description	BSC	DCB	DSU	LRSC	MASU	MISU	NDSCS	NDSU	UND	VCSU	WSC	Grand Total
01.0308 - Agroecology and Sustainable Agriculture.	A program that focuses on agricultural principles and practices that, over the long term, enhance environmental quality, make efficient use of nonrenewable resources, integrate natural biological cycles and controls, and are economically viable and socially responsible; and that may prepare individuals to apply this knowledge to the solution of agricultural and environmental problems. Includes instruction in principles of agroecology, crop and soil sciences, entomology, horticulture, animal science, weed science and management, soil fertility and nutrient cycling, applied ecology, agricultural economics, and rangeland ecology and watershed management.		1										1
01.0507 - Equestrian/Equine Studies.	A program that focuses on the horse, horsemanship, and related subjects and prepares individuals to care for horses and horse equipment; ride and drive horses for leisure, sport, and professional purposes; and manage the training of horses and riders. Includes instruction in horse breeding, nutrition, health, and safety; history of the horse and horsemanship; horse development and training; riding and equestrian technique; stable, paddock, and track management; and equipment maintenance and repair.								42				42
01.0607 - Turf and Turfgrass Management.	A program that focuses on turfgrasses and related groundcover plants and prepares individuals to develop ornamental or recreational grasses and related products; plant, transplant, and manage grassed areas; and to produce and store turf used for transplantation. Includes instruction in applicable plant sciences, genetics of grasses, turf science, use analysis, turf management, and related economics.								8				8
01.0608 - Floriculture/Floristry Operations and Management.	A program that prepares individuals to operate and manage commercial and contract florist enterprises, supply and delivery services, and flower catering services. Includes instruction in the applicable principles of plant science; purchasing, storage, and delivery systems; floral design and arranging; and principles of business management.		1										1
01.0802 - Agricultural Communication/Journalism.	A program that prepares individuals to apply journalistic, communication, and broadcasting principles to the development, production, and transmittal of agricultural information. Includes instruction in basic journalism, broadcasting, film/video, and communication techniques; the production of technically specialized information products for agricultural audiences; and the principles of agricultural sciences and business operations needed to develop and communicate agricultural subject matter in effective ways.								11				11
01.0901 - Animal Sciences, General.	A general program that focuses on the scientific principles that underlie the breeding and husbandry of agricultural animals, and the production, processing, and distribution of agricultural animal products. Includes instruction in the animal sciences, animal husbandry and production, and agricultural and food products processing.								210				210
01.1001 - Food Science.	A program that focuses on the application of biological, chemical, and physical principles to the study of converting raw agricultural products into processed forms suitable for direct human consumption, and the storage of such products. Includes instruction in applicable aspects of the agricultural sciences, human physiology and nutrition, food chemistry, agricultural products processing, food additives, food preparation and packaging, food storage and shipment, and related aspects of human health and safety including toxicology and pathology.								27				27
01.1099 - Food Science and Technology, Other.	Any instructional program in food sciences and technology not listed above.								10				10

Table 4: NDUS Undergraduate Enrollments by CIP Code and Institution

CIP Classification	CIP Program Description	BSC	DCB	DSU	LRSC	MASU	MISU	NDSCS	NDSU	UND	VCSU	WSC	Grand Total
01.1103 - Horticultural Science.	A program that focuses on the scientific principles related to the cultivation of garden and ornamental plants, including fruits, vegetables, flowers, and landscape and nursery crops. Includes instruction in specific types of plants, such as citrus; breeding horticultural varieties; physiology of horticultural species; and the scientific management of horticultural plant development and production through the life cycle.								22				22
01.1106 - Range Science and Management.	A program that focuses on the scientific study of rangelands, arid regions, grasslands, and other areas of low productivity, as well as the principles of managing such resources for maximum benefit and environmental balance. Includes instruction in livestock management, wildlife biology, plant sciences, ecology, soil science, and hydrology.								9				9
01.1201 - Soil Science and Agronomy, General.	A program that generally focuses on the scientific classification of soils, soil properties, and their relationship to agricultural crops. Includes instruction in soil chemistry, soil physics, soil biology, soil fertility, morphogenesis, mineralogy, hydrology, agronomy, and soil conservation and management.								4				4
<b>03-NATURAL RESOURCES AND CONSERVATION</b>		<b>15</b>	<b>9</b>						<b>71</b>		<b>70</b>		<b>165</b>
03.0101 - Natural Resources/Conservation, General.	A general program that focuses on the studies and activities relating to the natural environment and its conservation, use, and improvement. Includes instruction in subjects such as climate, air, soil, water, land, fish and wildlife, and plant resources; in the basic principles of environmental science and natural resources management; and the recreational and economic uses of renewable and nonrenewable natural resources.		1										1
03.0104 - Environmental Science.	A program that focuses on the application of biological, chemical, and physical principles to the study of the physical environment and the solution of environmental problems, including subjects such as abating or controlling environmental pollution and degradation; the interaction between human society and the natural environment; and natural resources management. Includes instruction in biology, chemistry, physics, geosciences, climatology, statistics, and mathematical modeling.			9							1		10
03.0201 - Natural Resources Management and Policy.	A program that prepares individuals to plan, develop, manage, and evaluate programs to protect and regulate natural habitats and renewable natural resources. Includes instruction in the principles of wildlife and conservation biology, environmental science, animal population surveying, natural resource economics, management techniques for various habitats, applicable law and policy, administrative and communications skills, and public relations.								71				71
03.0508 - Urban Forestry.	A program that prepares individuals to apply the principles of forestry and related sciences to the development, care, and maintenance of individual trees and forested areas within or close to areas of dense human habitation. Includes instruction in urban environments; effects of pollution on tree species; environmental design and landscaping; urban pest infestation; urban forest management; and applicable policies and regulations.		3										3
03.0601 - Wildlife, Fish and Wildlands Science and Management.	A program that prepares individuals to conserve and manage wilderness areas and the flora, marine and aquatic life therein, and manage wildlife reservations and zoological/aquarium facilities for recreational, commercial, and ecological purposes. Includes instruction in wildlife biology, marine/aquatic biology, environmental science, freshwater and saltwater ecosystems, natural resources management and policy, outdoor recreation and parks management, the design and operation of natural and artificial wildlife habitats, applicable law and regulations, and related administrative and communications skills.		11								69		80

Table 4: NDUS Undergraduate Enrollments by CIP Code and Institution

CIP Classification	CIP Program Description	BSC	DCB	DSU	LRSC	MASU	MISU	NDSCS	NDSU	UND	VCSU	WSC	Grand Total			
<b>04-ARCHITECTURE AND RELATED SERVICES</b>									<b>303</b>				<b>303</b>			
04.0201 - Architecture.	A program that prepares individuals for the independent professional practice of architecture and to conduct research in various aspects of the field. Includes instruction in architectural design, history, and theory; building structures and environmental systems; project and site planning; construction; professional responsibilities and standards; and related cultural, social, economic, and environmental issues.								251				251			
04.0601 - Landscape Architecture.	A program that prepares individuals for the independent professional practice of landscape architecture and research in various aspects of the field. Includes instruction in geology and hydrology; soils, groundcovers, and horticultural elements; project and site planning; landscape design, history, and theory; environmental design; applicable law and regulations; and professional responsibilities and standards.								52				52			
<b>05-AREA, ETHNIC, CULTURAL, GENDER, AND GROUP STUDIES</b>									<b>15</b>	<b>10</b>			<b>25</b>			
05.0123 - Chinese Studies.	A program that focuses on the history, society, politics, culture, and economics of one or more of the peoples of present-day China and its historical predecessors, related borderlands and island groups, and the overseas Chinese diaspora.									5			5			
05.0202 - American Indian/Native American Studies.	A program that focuses on the history, sociology, politics, culture, and economics of one or more of the American Indian, Aleut, Inuit, Hawaiian and other native peoples of the Americas from earliest times until the present, with particular emphasis on U.S. and Canadian populations and their problems but including reference to Caribbean and Latin American native peoples.										5		5			
05.0207 - Women's Studies.	A program that focuses on the history, sociology, politics, culture, and economics of women, and the development of modern feminism in relation to the roles played by women in different periods and locations in North America and the world. Programs may focus on literature, philosophy, and the arts as much as on social studies and policy.								15				15			
<b>09-COMMUNICATION, JOURNALISM, AND RELATED PROGRAMS</b>									<b>5</b>	<b>18</b>	<b>14</b>	<b>51</b>	<b>240</b>	<b>307</b>	<b>23</b>	<b>658</b>
09.0100 - Communication, General.	A program that focuses on the comprehensive study of communication, and that spans the study of mass communication/media studies, old and new media technologies, social and political applications, and speech communication and rhetoric. Includes instruction in interpersonal, group, organizational, and intercultural communication; theories of communication; critical thinking, argumentation, and persuasion; written communication; printed, electronic, and digital media; rhetorical tradition and criticism; media, society, and culture; consequences and effects of mass media; media social science and criticism; and quantitative and qualitative methods of inquiry.										307		307			
09.0101 - Speech Communication and Rhetoric.	A program that focuses on the scientific, humanistic, and critical study of human communication in a variety of formats, media, and contexts. Includes instruction in the theory and practice of interpersonal, group, organizational, professional, and intercultural communication; speaking and listening; verbal and nonverbal interaction; rhetorical theory and criticism; performance studies; argumentation and persuasion; technologically mediated communication; popular culture; and various contextual applications.			18		14	11					23	66			
09.0499 - Journalism, Other.	Any instructional program in journalism not listed above.								51				51			

Table 4: NDUS Undergraduate Enrollments by CIP Code and Institution

CIP Classification	CIP Program Description	BSC	DCB	DSU	LRSC	MASU	MISU	NDSCS	NDSU	UND	VCSU	WSC	Grand Total
09.0701 - Radio and Television.	A program that focuses on the theories, methods, and techniques used to plan, produce, and distribute audio and video programs and messages, and that prepares individuals to function as staff, producers, directors, and managers of radio and television shows and media organizations. Includes instruction in media aesthetics; planning, scheduling, and production; writing and editing; performing and directing; personnel and facilities management; marketing and distribution; media regulations, law, and policy; and principles of broadcast technology.						40						40
09.0702 - Digital Communication and Media/Multimedia.	A program that focuses on the development, use, critical evaluation, and regulation of new electronic communication technologies using computer applications; and that prepares individuals to function as developers and managers of digital communications media. Includes instruction in computer and telecommunications technologies and processes; design and development of digital communications; marketing and distribution; digital communications regulation, law, and policy; the study of human interaction with, and use of, digital media; and emerging trends and issues.								19				19
09.0900 - Public Relations, Advertising, and Applied Communication.	A general program that focuses on organizational communication, public relations, and advertising; and that prepares individuals to function in a wide range of public and private sector positions requiring the skills of persuasive communication. Includes instruction in communications, public relations, and advertising theory; principles and techniques of persuasion; message/image design; marketing strategy; professional writing; public speaking and multi-media presentation skills; digital communications; and applied research.								147				147
09.0902 - Public Relations/Image Management.	A program that focuses on the theories and methods for managing the media image of a business, organization, or individual and the communication process with stakeholders, constituencies, audiences, and the general public; and that prepares individuals to function as public relations assistants, technicians, and managers. Includes instruction in public relations theory; related principles of advertising, marketing, and journalism; message/image design; image management; special event management; media relations; community relations; public affairs; and internal communications.	5											5
09.0905 - Health Communication.	A program that focuses on how people, individually and collectively, understand and accommodate to health and illness and the role of communication and media in shaping professional health care messages and public acceptance of these messages. Includes instruction in the development and use of health-related and care-related messages and media; the goals and strategies of health care promotion; relationships, roles, situations, and social structures in the context of health maintenance and promotion; and applications to disease prevention, health advocacy, and communications concerning treatments.								23				23
<b>10-COMMUNICATIONS TECHNOLOGIES/TECHNICIANS AND SUPPORT SERVICES</b>		<b>15</b>					<b>5</b>			<b>43</b>			<b>63</b>
10.0203 - Recording Arts Technology/Technician.	A program that prepares individuals to apply technical knowledge and skills to the production of sound recordings as finished products or as components of film/video, broadcast, live, or mixed media productions. Includes instruction in sound equipment operation and maintenance; music, dialogue, and sound effects recording; sound track editing; dubbing and mixing; sound engineering; tape, disk, and CD production; digital recording and transmission; amplification and modulation; and working with producers, editors, directors, artists, and production managers.	15											15

Table 4: NDUS Undergraduate Enrollments by CIP Code and Institution

CIP Classification	CIP Program Description	BSC	DCB	DSU	LRSC	MASU	MISU	NDSCS	NDSU	UND	VCSU	WSC	Grand Total
10.0301 - Graphic Communications, General.	A program that generally prepares individuals to apply technical knowledge and skills in the manufacture and distribution or transmission of graphic communications products. Includes instruction in the prepress, press, and postpress phases of production operations and processes such as offset lithography, flexography, gravure, letterpress, screen printing, foil stamping, digital imaging, and other reproduction methods.									43			43
10.9999 - Communications Technologies/Technicians and Support Services, Other.	Any instructional program in communications technologies and support services not listed above.						5						5
<b>11-COMPUTER &amp; INFORMATION SCIENCES &amp; SUPPORT SERVICES</b>		<b>72</b>	<b>3</b>	<b>50</b>		<b>5</b>	<b>77</b>	<b>52</b>	<b>423</b>	<b>254</b>	<b>21</b>	<b>18</b>	<b>975</b>
11.0101 - Computer and Information Sciences, General.	A general program that focuses on computing, computer science, and information science and systems. Such programs are undifferentiated as to title and content and are not to be confused with specific programs in computer science, information science, or related support services.			38		3	77	52		191	21		382
11.0301 - Data Processing and Data Processing Technology/Technician.	A program that prepares individuals to master and use computer software programs and applications for inputting, verifying, organizing, storing, retrieving, transforming (changing, updating, and deleting), and extracting information. Includes instruction in using various operating system configurations and in types of data entry such as word processing, spreadsheets, calculators, management programs, design programs, database programs, and research programs.				12								12
11.0501 - Computer Systems Analysis/Analyst.	A program that prepares individuals to apply programming and systems analysis principles to the selection, implementation, and troubleshooting of customized computer and software installations across the life cycle. Includes instruction in computer hardware and software; compilation, composition, execution, and operating systems; low- and high-level languages and language programming; programming and debugging techniques; installation and maintenance testing and documentation; process and data flow analysis; user needs analysis and documentation; cost-benefit analysis; and specification design.									63			63
11.0701 - Computer Science.	A program that focuses on computer theory, computing problems and solutions, and the design of computer systems and user interfaces from a scientific perspective. Includes instruction in the principles of computational science, computer development and programming, and applications to a variety of end-use situations.								423				423
11.0801 - Web Page, Digital/Multimedia and Information Resources Design.	A program that prepares individuals to apply HTML, XML, Javascript, graphics applications, and other authoring tools to the design, editing, and publishing (launching) of documents, images, graphics, sound, and multimedia products on the World Wide Web. Includes instruction in Internet theory, web page standards and policies, elements of web page design, user interfaces, vector tools, special effects, interactive and multimedia components, search engines, navigation, morphing, e-commerce tools, and emerging web technologies.	20											20
11.0901 - Computer Systems Networking and Telecommunications.	A program that focuses on the design, implementation, and management of linked systems of computers, peripherals, and associated software to maximize efficiency and productivity, and that prepares individuals to function as network specialists and managers at various levels. Includes instruction in operating systems and applications; systems design and analysis; networking theory and solutions; types of networks; network management and control; network and flow optimization; security; configuring; and troubleshooting.	52	2										54



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11.1002 - System, Networking, and LAN/WAN Management/Manager.	A program that prepares individuals to oversee and regulate the computer system and performance requirements of an entire organization or network of satellite users. Includes instruction in performance balancing; redundancy; local area (LAN) and wide area (WAN) network management; system migration and upgrading; outage control; problem diagnosis and troubleshooting; and system maintenance, budgeting, and management.											18	18
11.1004 - Web/Multimedia Management and Webmaster.	A program that prepares individuals to develop and maintain web servers and the hosted web pages at one or a group of web sites, and to function as designated webmasters. Includes instruction in computer systems and networks, server installation and maintenance, web page design and editing, information resources management, web policy and procedures, Internet applications of information systems security, user interfacing and usability research, and relevant management and communications skills.		1										1
11.9999 - Computer and Information Sciences and Support Services, Other.	Any instructional program in computer and information sciences and support services not listed above.						2						2
<b>12-PERSONAL &amp; CULINARY SERVICES</b>									<b>33</b>				<b>33</b>
12.0503 - Culinary Arts/Chef Training.	A program that prepares individuals to provide professional chef and related cooking services in restaurants and other commercial food establishments. Includes instruction in recipe and menu planning, preparing and cooking of foods, supervising and training kitchen assistants, the management of food supplies and kitchen resources, aesthetics of food presentation, and familiarity or mastery of a wide variety of cuisines and culinary techniques.							33					33
<b>13-EDUCATION</b>		<b>7</b>	<b>175</b>			<b>287</b>	<b>521</b>		<b>396</b>	<b>484</b>	<b>527</b>		<b>2,397</b>
13.1210 - Early Childhood Education and Teaching.	A program that prepares individuals to teach students ranging in age from infancy through eight years (grade three), depending on the school system or state regulations. Includes preparation to teach all relevant subject matter.					50	26			58			134
13.1001 - Special Education and Teaching, General.	A general program that focuses on the design and provision of teaching and other educational services to children or adults with special learning needs or disabilities, and that may prepare individuals to function as special education teachers. Includes instruction in diagnosing learning disabilities, developing individual education plans, teaching and supervising special education students, special education counseling, and applicable laws and policies.					1							1
13.1006 - Education/Teaching of Individuals with Mental Retardation.	A program that focuses on the design of educational services for children or adults with mental disabilities which adversely affect their educational performance and that may prepare individuals to teach such students. Includes instruction in identifying students with mental retardation, developing individual education plans, teaching and supervising mentally handicapped students, counseling, and applicable laws and policies.						42						42
13.1099 - Special Education and Teaching, Other.	Any instructional program in special education not listed above.						24						24
13.1202 - Elementary Education and Teaching.	A program that prepares individuals to teach students in the elementary grades, which may include kindergarten through grade eight, depending on the school system or state regulations. Includes preparation to teach all elementary education subject matter.			62		152	196			327	297		1,034
13.1203 - Junior High/Intermediate/Middle School Education and Teaching.	A program that prepares individuals to teach students in the middle, intermediate or junior high grades, which may include grades four through nine by regulation.									26			26
13.1301 - Agricultural Teacher Education.	A program that prepares individuals to teach vocational agricultural programs at various educational levels.								59				59
13.1302 - Art Teacher Education.	A program that prepares individuals to teach art and art appreciation programs at various educational levels.			7			17		6		9		39

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13.1303 - Business Teacher Education.	A program that prepares individuals to teach vocational business programs at various educational levels.			6			10				18		34
13.1305 - English/Language Arts Teacher Education.	A program that prepares individuals to teach English grammar, composition and literature programs at various educational levels.			10		6	29		48		36		129
13.1306 - Foreign Language Teacher Education.	A program that prepares individuals to teach foreign languages programs at various educational levels, other than French, German or Spanish.						2						2
13.1307 - Health Teacher Education.	A program that prepares individuals to teach health education programs at various educational levels.					1			9		2		12
13.1308 - Family and Consumer Sciences/Home Economics Teacher Education.	A program that prepares individuals to teach vocational home economics programs at various educational levels.								43				43
13.1309 - Technology Teacher Education/Industrial Arts Teacher Education.	A program that prepares individuals to teach technology education/industrial arts programs at various educational levels.			1							21		22
13.1311 - Mathematics Teacher Education.	A program that prepares individuals to teach mathematics programs at various educational levels.			11		17	20		35		22		105
13.1312 - Music Teacher Education.	A program that prepares individuals to teach music and music appreciation programs at various educational levels.			8			34			45	11		98
13.1314 - Physical Education Teaching and Coaching.	A program that prepares individuals to teach physical education programs and/or to coach sports at various educational levels.			30		24	55		58		45		212
13.1316 - Science Teacher Education/General Science Teacher Education.	A program that prepares individuals to teach general science programs, or a combination of the biological and physical science subject matter areas, at various educational levels.						2		9	12			23
13.1317 - Social Science Teacher Education.	A program that prepares individuals to teach specific social science subjects and programs at various educational levels.			15		8	8			16	13		60
13.1318 - Social Studies Teacher Education.	A program that prepares individuals to teach general social studies programs at various educational levels.								68				68
13.1319 - Technical Teacher Education.	A program that prepares individuals to teach specific vocational technical education programs at various educational levels.										13		13
13.1322 - Biology Teacher Education.	A program that prepares individuals to teach biology programs at various educational levels.			2		7	15		22		12		58
13.1323 - Chemistry Teacher Education.	A program that prepares individuals to teach chemistry programs at various educational levels.			3			4		7		3		17
13.1325 - French Language Teacher Education.	A program that prepares individuals to teach French language programs at various educational levels.								3				3
13.1328 - History Teacher Education.	A program that prepares individuals to teach history programs at various educational levels.			19		12	35		19		25		110
13.1329 - Physics Teacher Education.	A program that prepares individuals to teach physics programs at various educational levels.								3				3
13.1330 - Spanish Language Teacher Education.	A program that prepares individuals to teach Spanish language programs at various educational levels.			1					5				6
13.1332 - Geography Teacher Education.	A program that prepares individuals to teach geography at various grade levels.						2						2
13.1337 - Earth Science Teacher Education.	A program that prepares individuals to teach earth science programs at various educational levels.								2				2
13.1399 - Teacher Education and Professional Development, Specific Subject Areas, Other.	Any instructional program in teacher education, specific academic and vocational programs not listed above.						2						2

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CIP Classification	CIP Program Description	BSC	DCB	DSU	LRSC	MASU	MISU	NDSCS	NDSU	UND	VCSU	WSC	Grand Total
13.1501 - Teacher Assistant/Aide.	A program that prepares individuals to assist a teacher in regular classroom settings or in providing instruction and supervision to special student populations, such as bilingual/bicultural students, special education students, adult learners, and students learning English. Includes instruction in techniques of general classroom supervision, maintaining order, assisting with lessons and carrying out related assignments.		7				7						14
<b>14-ENGINEERING</b>									<b>2,091</b>	<b>1,848</b>	<b>21</b>		<b>3,960</b>
14.0101 - Engineering, General.	A program that generally prepares individuals to apply mathematical and scientific principles to solve a wide variety of practical problems in industry, social organization, public works, and commerce. Includes instruction in undifferentiated and individualized programs in engineering.									58			58
14.0301 - Agricultural Engineering.	A program that prepares individuals to apply mathematical and scientific principles to the design, development and operational evaluation of systems, equipment and facilities for production, processing, storage, handling, distribution and use of food, feed, and fiber. Includes applications to aquaculture, forestry, human and natural resources.								81				81
14.0701 - Chemical Engineering.	A program that prepares individuals to apply mathematical and scientific principles to the design, development and operational evaluation of systems employing chemical processes, such as chemical reactors, kinetic systems, electrochemical systems, energy conservation processes, heat and mass transfer systems, and separation processes; and the applied analysis of chemical problems such as corrosion, particle abrasion, energy loss, pollution, and fluid mechanics.									247			247
14.0801 - Civil Engineering, General.	A program that generally prepares individuals to apply mathematical and scientific principles to the design, development and operational evaluation of structural, load-bearing, material moving, transportation, water resource, and material control systems; and environmental safety measures.								418	274			692
14.0901 - Computer Engineering, General.	A program that generally prepares individuals to apply mathematical and scientific principles to the design, development and operational evaluation of computer hardware and software systems and related equipment and facilities; and the analysis of specific problems of computer applications to various tasks.								168				168
14.0903 - Computer Software Engineering.	A program that prepares individuals to apply scientific and mathematical principles to the design, analysis, verification, validation, implementation, and maintenance of computer software systems using a variety of computer languages. Includes instruction in discrete mathematics, probability and statistics, computer science, managerial science, and applications to complex computer systems.										21		21
14.1001 - Electrical and Electronics Engineering	A program that prepares individuals to apply mathematical and scientific principles to the design, development and operational evaluation of electrical and electronic systems and their components, including electrical power generation systems; and the analysis of problems such as superconductor, wave propagation, energy storage and retrieval, and reception and amplification.								306	273			579
14.1401 - Environmental/Environmental Health Engineering.	A program that prepares individuals to apply mathematical and scientific principles to the design, development and operational evaluation of systems for controlling contained living environments and for monitoring and controlling factors in the external natural environment, including pollution control, waste and hazardous material disposal, health and safety protection, conservation, life support, and requirements for protection of special materials and related work environments.									19			19

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CIP Classification	CIP Program Description	BSC	DCB	DSU	LRSC	MASU	MISU	NDSCS	NDSU	UND	VCSU	WSC	Grand Total
14.1901 - Mechanical Engineering.	A program that prepares individuals to apply mathematical and scientific principles to the design, development and operational evaluation of physical systems used in manufacturing and end-product systems used for specific uses, including machine tools, jigs and other manufacturing equipment; stationary power units and appliances; engines; self-propelled vehicles; housings and containers; hydraulic and electric systems for controlling movement; and the integration of computers and remote control with operating systems.								782	703			1,485
14.2501 - Petroleum Engineering.	A program that prepares individuals to apply mathematical and scientific principles to the design, development and operational evaluation of systems for locating, extracting, processing and refining crude petroleum and natural gas, including prospecting instruments and equipment, mining and drilling systems, processing and refining systems and facilities, storage facilities, transportation systems, and related environmental and safety systems.									246			246
14.3301 - Construction Engineering.	A program that prepares individuals to apply scientific, mathematical, and management principles to the planning, design, and building of facilities and structures. Includes instruction in civil engineering, structural principles, site analysis, computer-assisted design, geology, evaluation and testing, materials, contracting, project management, graphic communications, and applicable laws and regulations.								44				44
14.3501 - Industrial Engineering.	A program that prepares individuals to apply scientific and mathematical principles to the design, improvement, and installation of integrated systems of people, material, information, and energy. Includes instruction in applied mathematics, physical sciences, the social sciences, engineering analysis, systems design, computer applications, and forecasting and evaluation methodology.								257				257
14.3601 - Manufacturing Engineering.	A program that prepares individuals to apply scientific and mathematical principles to the design, development, and implementation of manufacturing systems. Includes instruction in materials science and engineering, manufacturing processes, process engineering, assembly and product engineering, manufacturing systems design, and manufacturing competitiveness.								35				35
14.3901 - Geological/Geophysical Engineering.	A program that prepares individuals to apply mathematical and geological principles to the analysis and evaluation of engineering problems, including the geological evaluation of construction sites, the analysis of geological forces acting on structures and systems, the analysis of potential natural resource recovery sites, and applied research on geological phenomena.									28			28
<b>15-ENGINEERING TECHNOLOGIES AND ENGINEERING RELATED FIELDS</b>		<b>735</b>	<b>1</b>		<b>17</b>			<b>261</b>		<b>62</b>		<b>13</b>	<b>1,089</b>
15.0101 - Architectural Engineering Technology/Technician.	A program that prepares individuals to apply basic engineering principles and technical skills in support of architects, engineers and planners engaged in designing and developing buildings, urban complexes, and related systems. Includes instruction in design testing procedures, building site analysis, model building and computer graphics, engineering drawing, structural systems testing, analysis of prototype mechanical and interior systems, test equipment operation and maintenance, and report preparation.							36					36
15.0201 - Civil Engineering Technology/Technician.	A program that prepares individuals to apply basic engineering principles and technical skills in support of civil engineers engaged in designing and executing public works projects such as highways, dams, bridges, tunnels and other facilities. Includes instruction in site analysis, structural testing procedures, field and laboratory testing procedures, plan and specification preparation, test equipment operation and maintenance, and report preparation.							37					37

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CIP Classification	CIP Program Description	BSC	DCB	DSU	LRSC	MASU	MISU	NDSCS	NDSU	UND	VCSU	WSC	Grand Total
15.0303 - Electrical, Electronic and Communications Engineering Technology/Technician.	A program that prepares individuals to apply basic engineering principles and technical skills in support of electrical, electronics and communication engineers. Includes instruction in electrical circuitry, prototype development and testing, systems analysis and testing, systems maintenance, instrument calibration, and report preparation.	254											254
15.0399 - Electrical and Electronic Engineering Technologies/Technicians, Other.	Any instructional program in electrical and electronic engineering-related technologies not listed above.				17			111					128
15.0404 - Instrumentation Technology/Technician.	A program that prepares individuals to apply basic engineering principles and technical skills in support of engineers engaged in developing control and measurement systems and procedures. Includes instruction in instrumentation design and maintenance, calibration, design and production testing and scheduling, automated equipment functions, applications to specific industrial tasks, and report preparation.	67											67
15.0501 - Heating, Ventilation, Air Conditioning and Refrigeration Engineering Technology/Technician.	A program that prepares individuals to apply basic engineering principles and technical skills in support of engineers and other professionals engaged in developing and using air conditioning, refrigeration, ventilation, and heating systems. Includes instruction in principles of heating and cooling technology, design and operational testing, inspection and maintenance procedures, installation and operation procedures, and report preparation.							26					26
15.0506 - Water Quality and Wastewater Treatment Management and Recycling Technology/Technician.	A program that prepares individuals to apply basic engineering principles and technical skills in support of engineers and other professionals engaged in developing and using water storage, waterpower, and wastewater treatment systems. Includes instruction in water storage, power and/or treatment systems and equipment; testing and inspection procedures; system maintenance procedures; and report preparation.	8											8
15.0507 - Environmental Engineering Technology/Environmental Technology.	A program that prepares individuals to apply basic engineering principles and technical skills in support of engineers and other professionals engaged in developing and using indoor and outdoor environmental pollution control systems. Includes instruction in environmental safety principles, testing and sampling procedures, laboratory techniques, instrumentation calibration, safety and protection procedures, equipment maintenance, and report preparation.		1										1
15.0599 - Environmental Control Technologies/Technicians, Other.	Any instructional program in environmental control technologies not listed above.	21											21
15.0612 - Industrial Technology/Technician.	A program that prepares individuals to apply basic engineering principles and technical skills in support of industrial engineers and managers. Includes instruction in optimization theory, human factors, organizational behavior, industrial processes, industrial planning procedures, computer applications, and report and presentation preparation.	150								62			212
15.0613 - Manufacturing Engineering Technology/Technician.	A program that prepares individuals to apply basic engineering principles and technical skills to the identification and resolution of production problems in the manufacture of products. Includes instruction in machine operations, production line operations, engineering analysis, systems analysis, instrumentation, physical controls, automation, computer-aided manufacturing (CAM), manufacturing planning, quality control, and informational infrastructure.							29					29
15.0699 - Industrial Production Technologies/Technicians, Other.	Any instructional program in industrial production technologies not listed above.	158											158

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15.0903 - Petroleum Technology/Technician.	A program that prepares individuals to apply basic engineering principles and technical skills in support of engineers and other professionals engaged in the development and operation of oil and natural gas extraction and processing facilities. Includes instruction in principles of petroleum extraction and related geology, petroleum field mapping and site analysis, testing and sampling methods, instrument calibration, laboratory analysis, test equipment operation and maintenance, environment and safety monitoring procedures for oil/gas fields and facilities, facility inspection procedures, and report preparation.	25										13	38
15.1001 - Construction Engineering Technology/Technician.	A program that prepares individuals to apply basic engineering principles and technical skills in support of engineers, engineering contractors and other professionals engaged in the construction of buildings and related structures. Includes instruction in basic structural engineering principles and construction techniques, building site inspection, site supervision, construction personnel supervision, plan and specification interpretation, supply logistics and procurement, applicable building codes, and report preparation.							22					22
15.1102 - Surveying Technology/Surveying.	A program that prepares individuals to apply mathematical and scientific principles to the delineation, determination, planning and positioning of land tracts, land and water boundaries, land contours and features; and the preparation of related maps, charts and reports. Includes instruction in applied geodesy, computer graphics, photointerpretation, plane and geodetic surveying, mensuration, traversing, survey equipment operation and maintenance, instrument calibration, and basic cartography.	12											12
15.1401 - Nuclear Engineering Technology/Technician.	A program that prepares individuals to apply basic engineering, knowledge and technical skills in support of engineer and other professionals operating nuclear facilities and engaged in nuclear applications and safety procedures. Includes instruction in physics, nuclear science, nuclear systems, nuclear plant and systems design, radiological safety, radiological applications, and applicable law and regulations.	15											15
15.0000 - Engineering Technology, General.	A program that generally prepares individuals to apply basic engineering principles and technical skills in support of engineers engaged in a wide variety of projects. Includes instruction in various engineering support functions for research, production, and operations, and applications to specific engineering specialties.	25											25
<b>16-FOREIGN LANGUAGES, LITERATURES, AND LINGUISTICS</b>					<b>13</b>	<b>14</b>	<b>12</b>	<b>52</b>					<b>91</b>
16.0101 - Foreign Languages and Literatures, General.	A general program that focuses on one or more modern foreign languages that is not specific as to the name of the language(s) studied; that is otherwise undifferentiated; or that introduces students to language studies at the basic/elementary level.						4			9			13
16.0103 - Language Interpretation and Translation.	A program that prepares individuals to be professional interpreters and/or translators of documents and data files, either from English or (Canadian) French into another language or languages or vice versa. Includes intensive instruction in one or more foreign languages plus instruction in subjects such as single- and multiple-language interpretation, one- or two-way interpretation, simultaneous interpretation, general and literary translation, business translation, technical translation, and other specific applications of linguistic skills.				13								13
16.0501 - German Language and Literature.	A program that focuses on the German language and related dialects. Includes instruction in philology; dialects; and applications to business, science/technology, and other settings.						1						1

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CIP Classification	CIP Program Description	BSC	DCB	DSU	LRSC	MASU	MISU	NDSCS	NDSU	UND	VCSU	WSC	Grand Total
16.0505 - Norwegian Language and Literature.	A program that focuses on the Norwegian language and related dialects. Includes instruction in philology; dialects; literature; and applications to business, science/technology, and other settings.									5			5
16.0901 - French Language and Literature.	A program that focuses on the French language and related dialects and creoles. Includes instruction in philology; Metropolitan French; Canadian French; African and Caribbean Creoles; dialects; and applications in business, science/technology, and other settings.								3	4			7
16.0905 - Spanish Language and Literature.	A program that focuses on the Spanish language and related dialects. Includes instruction in philology; Modern Castilian; Latin American and regional Spanish dialects; and applications in business, science/technology, and other settings.						2		9	27			38
16.1200 - Classics and Classical Languages, Literatures, and Linguistics, General.	A general program that focuses on the literary culture of the ancient Graeco-Roman world and the Greek and Latin languages and literatures and their development prior to the fall of the Roman Empire.									7			7
16.1603 - Sign Language Interpretation and Translation.	A program that prepares individuals to function as simultaneous interpreters of American Sign Language						7						7
<b>19-FAMILY AND CONSUMER SCIENCES/HUMAN SCIENCES</b>			<b>2</b>		<b>29</b>	<b>38</b>			<b>650</b>				<b>719</b>
19.0701 - Human Development and Family Studies, General.	A general program that focuses on basic human developmental and behavioral characteristics of the individual within the context of the family. Includes instruction in the conditions that influence human growth and development; strategies that promote growth and development across the life span; and the study of family systems.								551				551
19.0708 - Child Care and Support Services Management.	A program that focuses on the provision and management of child care services and that prepares individuals to plan, design, and manage child care facilities and programs that meet children's developmental needs and interests and that provide safe and healthy environments. Includes instruction in child development and psychology; home- and institution-based child care; identification of diseases, injuries, and psychological trauma and applicable referrals; parent relations; personnel and business management principles; and related laws and policies.					30							30
19.0709 - Child Care Provider/Assistant.	A program that prepares individuals to be primary providers of home, family, residential, or institutional-based child care services. Includes instruction in child growth and development, nutrition, recreation, planning and supervision of play and learning activities, child abuse and neglect prevention, parent-child relationships, and applicable legal and administrative requirements.				29	8							37
19.0799 - Human Development, Family Studies, and Related Services, Other.	Any instructional program in human development, family studies, and related services not listed above.		2										2
19.0901 - Apparel and Textiles, General.	A general program that focuses on the development of textile products and their distribution and use in terms of the psychological, social, economic, and physical needs of consumers. Includes instruction in the production, distribution, marketing, and end use of various apparel and textile products.								99				99
<b>22-LEGAL PROFESSIONS AND STUDIES</b>			<b>4</b>										<b>4</b>
22.0301 - Legal Administrative Assistant/Secretary.	A program that prepares individuals to serve as legal office managers, special assistants, and legal secretaries. Includes instruction in office management, secretarial science, principles of U.S. or Canadian law, legal terminology and documentation, legal research, legal software applications, law office procedures, record-keeping, billing, applicable policies and regulations, and professional standards and ethics.	4											4
<b>23-ENGLISH LANGUAGE AND LITERATURE/LETTERS</b>				<b>9</b>	<b>3</b>	<b>26</b>			<b>71</b>	<b>83</b>	<b>9</b>		<b>201</b>
23.0101 - English Language and Literature, General.	A general program that focuses on the English language, including its history, structure and related communications skills; and the literature and culture of English-speaking peoples.			9	3	26			71	83	9		201

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CIP Classification	CIP Program Description	BSC	DCB	DSU	LRSC	MASU	MISU	NDSCS	NDSU	UND	VCSU	WSC	Grand Total
<b>24-LIBERAL ARTS AND SCIENCES, GENERAL STUDIES AND HUMANITIES</b>		<b>1,200</b>	<b>262</b>	<b>19</b>	<b>244</b>	<b>64</b>	<b>145</b>	<b>563</b>		<b>539</b>	<b>9</b>	<b>376</b>	<b>3,421</b>
24.0101 - Liberal Arts and Sciences/Liberal Studies.	A program that is a structured combination of the arts, biological and physical sciences, social sciences, and humanities, emphasizing breadth of study. Includes instruction in independently designed, individualized, or regular programs.	1,200	262	19	244			563				376	2,664
24.0102 - General Studies.	An undifferentiated program that includes instruction in the general arts, general science, or unstructured studies.					64	90			101	9		264
24.0199 - Liberal Arts and Sciences, General Studies and Humanities, Other.	Any single instructional program in liberal arts and sciences, general studies and humanities not listed above.						55			438			493
<b>26-BIOLOGICAL AND BIOMEDICAL SCIENCES</b>				<b>36</b>		<b>53</b>	<b>104</b>		<b>681</b>	<b>539</b>	<b>6</b>		<b>1,419</b>
26.0101 - Biology/Biological Sciences, General.	A general program of biology at the introductory, basic level or a program in biology or the biological sciences that is undifferentiated as to title or content. Includes instruction in general biology and programs covering a variety of biological specializations.			36		53	102		265	477	6		939
26.0204 - Molecular Biology.	A program that focuses on the scientific study of the structure and function of biological macromolecules and the role of molecular constituents and mechanisms in supramolecular assemblies and cells. Includes instruction in such topics as molecular signaling and transduction, regulation of cell growth, enzyme substrates and mechanisms of enzyme action, DNA-protein interaction, and applications to fields such as biotechnology, genetics, cell biology, and physiology.										1		1
26.0210 - Biochemistry and Molecular Biology.	A program of study that combines the biological sub-disciplines of biochemistry and molecular biology. Includes instruction in general biology, general and organic chemistry, physics, biochemistry, molecular biology, immunology, microbiology, genetics, and cellular biology.								55				55
26.0301 - Botany/Plant Biology.	A program that focuses on the scientific study of plants, related microbial organisms, and plant habitats and ecosystem relations. Includes instruction in plant anatomy and structure, phytochemistry, cytology, plant genetics, plant morphology and physiology, plant ecology, plant taxonomy and systematics, paleobotany, and applications of biophysics and molecular biology.								6				6
26.0502 - Microbiology, General.	A program that focuses on the scientific study of unicellular organisms and colonies, and subcellular genetic matter and their ecological interactions with human beings and other life. Includes instruction in microbial genetics, cell biology, cell physiology, virology, pathogenic microbiology, environmental microbiology, immunology, biostatistics, bioinformatics, and laboratory methods including microscopy.								100				100
26.0701 - Zoology/Animal Biology.	A general program that focuses on the scientific study of the biology of animal species and phyla, with reference to their molecular and cellular systems, anatomy, physiology, and behavior. Includes instruction in molecular and cell biology, microbiology, anatomy and physiology, ecology and behavior, evolutionary biology, and applications to specific species and phyla.								221				221
26.0709 - Wildlife Biology.	A program that focuses on the application of biological principles to the study of vertebrate wildlife, wildlife habitats, and related ecosystems in remote and urban areas. Includes instruction in animal ecology; adaptational biology; urban ecosystems; natural and artificial habitat management; limnology; wildlife pathology; and vertebrate zoological specializations such as mammalogy, herpetology, ichthyology, ornithology, and others.									61			61
26.1199 - Biomathematics, Bioinformatics, and Computational Biology, Other.	Any instructional program in biomathematics, bioinformatics, and computational biology not listed above.						2						2



Table 4: NDUS Undergraduate Enrollments by CIP Code and Institution

CIP Classification	CIP Program Description	BSC	DCB	DSU	LRSC	MASU	MISU	NDSCS	NDSU	UND	VCSU	WSC	Grand Total
26.1201 - Biotechnology.	A program that focuses on the application of the biological sciences, biochemistry, and genetics to the preparation of new and enhanced agricultural, environmental, clinical, and industrial products, including the commercial exploitation of microbes, plants, and animals. Includes instruction in bioinformatics, gene identification, phylogenetics and comparative genomics, bioinorganic chemistry, immunoassaying, DNA sequencing, xenotransplantation, genetic engineering, industrial microbiology, drug and biologic development, enzyme-based production processes, patent law, biotechnology management and marketing, applicable regulations, and biotechnology ethics.								34				34
<b>27-MATHEMATICS AND STATISTICS</b>				<b>16</b>	<b>18</b>	<b>14</b>			<b>85</b>	<b>70</b>	<b>4</b>		<b>207</b>
27.0101 - Mathematics, General.	A general program that focuses on the analysis of quantities, magnitudes, forms, and their relationships, using symbolic logic and language. Includes instruction in algebra, calculus, functional analysis, geometry, number theory, logic, topology and other mathematical specializations.			16		18	14		57	70	4		179
27.0501 - Statistics, General.	A general program that focuses on the relationships between groups of measurements, and similarities and differences, using probability theory and techniques derived from it. Includes instruction in the principles in probability theory, binomial distribution, regression analysis, standard deviation, stochastic processes, Monte Carlo method, Bayesian statistics, non-parametric statistics, sampling theory, and statistical techniques.								28				28
<b>30-MULTI/INTERDISCIPLINARY STUDIES</b>		<b>5</b>		<b>74</b>	<b>1</b>			<b>1</b>	<b>469</b>	<b>75</b>	<b>26</b>	<b>5</b>	<b>656</b>
30.0000 - Multi-/Interdisciplinary Studies, General.	A program that derives from two or more distinct programs and that is integrated around a unifying theme or topic that cannot be subsumed under a single discipline or occupational field.									55			55
30.2001 - International/Global Studies.	A program that focuses on global and international issues from the perspective of the social sciences, social services, and related fields.									13			13
30.9999 - Multi-/Interdisciplinary Studies, Other.	Any instructional program in multi/interdisciplinary studies not listed above.	5		74	1			1	469	7	26	5	588
<b>31-PARKS, RECREATION, LEISURE, AND FITNESS STUDIES</b>		<b>7</b>	<b>69</b>	<b>19</b>	<b>104</b>	<b>66</b>			<b>348</b>	<b>181</b>	<b>32</b>		<b>826</b>
31.0101 - Parks, Recreation and Leisure Studies.	A program that focuses on the principles underlying recreational and leisure activities, and the practices involved in providing indoor and outdoor recreational facilities and services for the general public.		6										6
31.0301 - Parks, Recreation and Leisure Facilities Management, General.	A program that prepares individuals to develop and manage park facilities and other indoor and outdoor recreation and leisure facilities. Includes instruction in supervising support personnel, health and safety standards, public relations, and basic business and marketing principles.									3			3
31.0501 - Health and Physical Education/Fitness, General.	A general program that focuses on activities and principles that promote physical fitness, achieve and maintain athletic prowess, and accomplish related research and service goals. Includes instruction in human movement studies, motivation studies, rules and practice of specific sports, exercise and fitness principles and techniques, basic athletic injury prevention and treatment, and organizing and leading fitness and sports programs.					39					32		71
31.0504 - Sport and Fitness Administration/Management.	A program that prepares individuals to apply business, coaching and physical education principles to the organization, administration and management of athletic programs and teams, fitness/rehabilitation facilities and health clubs, sport recreation services, and related services. Includes instruction in program planning and development; business and financial management principles; sales, marketing and recruitment; event promotion, scheduling and management; facilities management; public relations; legal aspects of sports; and applicable health and safety standards.					55	66		133				254

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CIP Classification	CIP Program Description	BSC	DCB	DSU	LRSC	MASU	MISU	NDSCS	NDSU	UND	VCSU	WSC	Grand Total
31.0505 - Kinesiology and Exercise Science.	A scientific program that focuses on the anatomy, physiology, biochemistry, and biophysics of human movement, and applications to exercise and therapeutic rehabilitation. Includes instruction in biomechanics, motor behavior, motor development and coordination, motor neurophysiology, performance research, rehabilitative therapies, the development of diagnostic and rehabilitative methods and equipment, and related analytical methods and procedures in applied exercise and therapeutic rehabilitation.			69					215	178			462
31.0507 - Physical Fitness Technician.	A program that prepares individuals for employment in health and fitness clubs, wellness centers, public and private recreation facilities, hospitals and corporate fitness programs where they will perform a variety of instructional and administrative duties. Includes instruction in human anatomy and physiology, fitness techniques, exercise science, personal training, nutrition, and customer service.				19								19
31.0599 - Health and Physical Education/Fitness, Other.	Any instructional program in health and physical education/fitness not listed above.		1			10							11
<b>38-PHILOSOPHY AND RELIGIOUS STUDIES</b>									<b>11</b>	<b>14</b>			<b>25</b>
38.0101 - Philosophy.	A program that focuses on ideas and their logical structure, including arguments and investigations about abstract and real phenomena. Includes instruction in logic, ethics, aesthetics, epistemology, metaphysics, symbolism, and history of philosophy, and applications to the theoretical foundations and methods of other disciplines.								11	13			24
38.0201 - Religion/Religious Studies.	A program that focuses on the nature of religious belief and specific religious and quasi-religious systems. Includes instruction in phenomenology; the sociology, psychology, philosophy, anthropology, literature and art of religion; mythology; scriptural and textual studies; religious history and politics; and specific studies of particular faith communities and their behavior.									1			1
<b>40-PHYSICAL SCIENCES</b>				<b>8</b>		<b>2</b>	<b>48</b>		<b>132</b>	<b>196</b>	<b>2</b>		<b>388</b>
40.0401 - Atmospheric Sciences and Meteorology, General.	A general program that focuses on the scientific study of the composition and behavior of the atmospheric envelopes surrounding the earth, the effect of earth's atmosphere on terrestrial weather, and related problems of environment and climate. Includes instruction in atmospheric chemistry and physics, atmospheric dynamics, climatology and climate change, weather simulation, weather forecasting, climate modeling and mathematical theory; and studies of specific phenomena such as clouds, weather systems, storms, and precipitation patterns.									59			59
40.0501 - Chemistry, General.	A general program that focuses on the scientific study of the composition and behavior of matter, including its micro- and macro-structure, the processes of chemical change, and the theoretical description and laboratory simulation of these phenomena.			8		2	32		68	75	2		187
40.0601 - Geology/Earth Science, General.	A program that focuses on the scientific study of the earth; the forces acting upon it; and the behavior of the solids, liquids and gases comprising it. Includes instruction in historical geology, geomorphology, and sedimentology, the chemistry of rocks and soils, stratigraphy, mineralogy, petrology, geostatistics, volcanology, glaciology, geophysical principles, and applications to research and industrial problems.						16		33	21			70
40.0801 - Physics, General.	A general program that focuses on the scientific study of matter and energy, and the formulation and testing of the laws governing the behavior of the matter-energy continuum. Includes instruction in classical and modern physics, electricity and magnetism, thermodynamics, mechanics, wave properties, nuclear processes, relativity and quantum theory, quantitative methods, and laboratory methods.								31	41			72

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CIP Classification	CIP Program Description	BSC	DCB	DSU	LRSC	MASU	MISU	NDSCS	NDSU	UND	VCSU	WSC	Grand Total
<b>41-SCIENCE TECHNOLOGIES/TECHNICIANS</b>										<b>5</b>			<b>5</b>
41.9999 - Science Technologies/Technicians, Other.	Any instructional program in science technologies not listed above.									5			5
<b>42-PSYCHOLOGY</b>				<b>35</b>		<b>30</b>	<b>75</b>		<b>304</b>	<b>445</b>	<b>30</b>		<b>919</b>
42.0101 - Psychology, General.	A general program that focuses on the scientific study of individual and collective behavior, the physical and environmental bases of behavior, and the analysis and treatment of behavior problems and disorders. Includes instruction in the principles of the various subfields of psychology, research methods, and psychological assessment and testing methods.			35			75		299	445	30		884
42.2708 - Psychometrics and Quantitative Psychology.	A program that focuses on the mathematical and statistical procedures used in psychological test construction and validation; the general problems of the measurement of behavior; and the application of quantitative methods to research design and other methodological topics.								5				5
42.2813 - Applied Psychology.	A program that focuses on the application of psychological theories and methods to real-world settings and problems, such as business and industry, government, education, military, and community settings. Includes instruction in applications of psychology, industrial/organizational psychology, developmental psychology, social psychology, cognitive psychology, counseling, human factors, research methods and statistics, and program evaluation.					30							30
<b>43-HOMELAND SECURITY, LAW ENFORCEMENT, FIREFIGHTING AND RELATED PROTECTIVE SERVICES</b>		<b>55</b>			<b>64</b>		<b>131</b>		<b>281</b>	<b>294</b>			<b>825</b>
43.0104 - Criminal Justice/Safety Studies.	A program that focuses on the criminal justice system, its organizational components and processes, and its legal and public policy contexts. Includes instruction in criminal law and policy, police and correctional systems organization, the administration of justice and the judiciary, and public attitudes regarding criminal justice issues.	55					131		221	215			622
43.0106 - Forensic Science and Technology.	A program that focuses on the application of the physical, biomedical, and social sciences to the analysis and evaluation of physical evidence, human testimony and criminal suspects. Includes instruction in forensic medicine, forensic dentistry, anthropology, psychology, entomology, pathology, forensic laboratory technology and autopsy procedures, DNA and blood pattern analysis, crime scene analysis, crime scene photography, fingerprint technology, document analysis, witness and suspect examination procedures, applicable law and regulations, and professional standards and ethics.									79			79
43.0107 - Criminal Justice/Police Science.	A program that prepares individuals to perform the duties of police and public security officers, including patrol and investigative activities, traffic control, crowd control and public relations, witness interviewing, evidence collection and management, basic crime prevention methods, weapon and equipment operation and maintenance, report preparation and other routine law enforcement responsibilities.				64								64
43.0302 - Crisis/Emergency/Disaster Management.	A program focusing on the application of the incident command system model to formulating and implementing effective response to natural and man-made disasters. Includes instruction in contingency planning, hazard and risk assessment, joint operations, law and ethics, emergency response and recovery, event mitigation, emergency rescue and medical operations, incident command, terrorism and national security issues, law enforcement, relief administration, volunteer and citizen coordination, public relations and applications to specific types of incidents.								60				60

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CIP Classification	CIP Program Description	BSC	DCB	DSU	LRSC	MASU	MISU	NDSCS	NDSU	UND	VCSU	WSC	Grand Total
<b>44-PUBLIC ADMINISTRATION AND SOCIAL SERVICE PROFESSIONS</b>		<b>28</b>					<b>103</b>			<b>212</b>	<b>41</b>		<b>384</b>
44.0401 - Public Administration.	A program that prepares individuals to serve as managers in the executive arm of local, state, and federal government and that focuses on the systematic study of executive organization and management. Includes instruction in the roles, development, and principles of public administration; the management of public policy; executive-legislative relations; public budgetary processes and financial management; administrative law; public personnel management; professional ethics; and research methods.									23			23
44.0701 - Social Work.	A program that prepares individuals for the professional practice of social welfare administration and counseling, and that focus on the study of organized means of providing basic support services for vulnerable individuals and groups. Includes instruction in social welfare policy; case work planning; social counseling and intervention strategies; administrative procedures and regulations; and specific applications in areas such as child welfare and family services, probation, employment services, and disability counseling.						103			189			292
44.0000 - Human Services, General.	A program that focuses on the general study and provision of human and social services to individuals and communities and prepares individuals to work in public and private human services agencies and organizations. Includes instruction in the social sciences, psychology, principles of social service, human services policy, planning and evaluation, social services law and administration, and applications to particular issues, services, localities, and populations.	28									41		69
<b>45-SOCIAL SCIENCES</b>				<b>27</b>		<b>9</b>	<b>17</b>		<b>213</b>	<b>219</b>	<b>7</b>		<b>492</b>
45.0101 - Social Sciences, General.	A program that focuses on the general study of human social behavior and social institutions using any of the methodologies common to the social sciences and/or history, or an undifferentiated program of study in the social sciences.			20		9	3		2	67	7		108
45.0201 - Anthropology.	A program that focuses on the systematic study of human beings, their antecedents and related primates, and their cultural behavior and institutions, in comparative perspective. Includes instruction in biological/physical anthropology, primatology, human paleontology and prehistoric archeology, hominid evolution, anthropological linguistics, ethnography, ethnology, ethnohistory, socio-cultural anthropology, psychological anthropology, research methods, and applications to areas such as medicine, forensic pathology, museum studies, and international affairs.								33	20			53
45.0601 - Economics, General.	A general program that focuses on the systematic study of the production, conservation and allocation of resources in conditions of scarcity, together with the organizational frameworks related to these processes. Includes instruction in economic theory, micro- and macroeconomics, comparative economic systems, money and banking systems, international economics, quantitative analytical methods, and applications to specific industries and public policy issues.								48	20			68
45.0701 - Geography.	A program that focuses on the systematic study of the spatial distribution and interrelationships of people, natural resources, plant and animal life. Includes instruction in historical and political geography, cultural geography, economic and physical geography, regional science, cartographic methods, remote sensing, spatial analysis, and applications to areas such as land-use planning, development studies, and analyses of specific countries, regions, and resources.									26			26

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CIP Classification	CIP Program Description	BSC	DCB	DSU	LRSC	MASU	MISU	NDSCS	NDSU	UND	VCSU	WSC	Grand Total
45.1001 - Political Science and Government, General.	A general program that focuses on the systematic study of political institutions and behavior. Includes instruction in political philosophy, political theory, comparative government and politics, political parties and interest groups, public opinion, political research methods, studies of the government and politics of specific countries, and studies of specific political institutions and processes.			7					89	56			152
45.1101 - Sociology.	A program that focuses on the systematic study of human social institutions and social relationships. Includes instruction in social theory, sociological research methods, social organization and structure, social stratification and hierarchies, dynamics of social change, family structures, social deviance and control, and applications to the study of specific social groups, social institutions, and social problems.						14		41	30			85
<b>46-CONSTRUCTION TRADES</b>		<b>70</b>						<b>39</b>					<b>109</b>
46.0201 - Carpentry/Carpenter.	A program that prepares individuals to apply technical knowledge and skills to lay out, cut, fabricate, erect, install, and repair wooden structures and fixtures, using hand and power tools. Includes instruction in technical mathematics, framing, construction materials and selection, job estimating, blueprint reading, foundations and roughing-in, finish carpentry techniques, and applicable codes and standards.	17											17
46.0303 - Lineworker.	A program that prepares individuals to apply technical knowledge and skills to install, operate, maintain and repair local, long-distance, and rural electric power cables and communication lines; erect and construct pole and tower lines; and install underground lines and cables. Includes instruction in cable installation and repair, fibre-optic technology, trenching, mobile equipment and crane operation, high-voltage installations, maintenance and inspection, safety, remote communications, and applicable codes and standards.	53											53
46.0415 - Building Construction Technology.	A program that prepares individuals to apply technical knowledge and skills to residential and commercial building construction and remodeling. Includes instruction in construction equipment and safety; site preparation and layout; construction estimating; blueprint reading; building codes; framing; masonry; heating, ventilation, and air conditioning; electrical and mechanical systems; interior and exterior finishing; and plumbing.							26					26
46.0503 - Plumbing Technology/Plumber.	A program that prepares individuals to practice as licensed plumbers by applying technical knowledge and skills to lay out, assemble, install, and maintain piping fixtures and systems for steam, natural gas, oil, hot water, heating, cooling, drainage, lubricating, sprinkling, and industrial processing systems in home and business environments. Includes instruction in source determination, water distribution, waster removal, pressure adjustment, basic physics, technical mathematics, blueprint reading, pipe installation, pumps, welding and soldering, plumbing inspection, and applicable codes and standards.							13					13
<b>47-MECHANIC AND REPAIR TECHNOLOGIES/TECHNICIANS</b>		<b>87</b>			<b>27</b>			<b>302</b>				<b>30</b>	<b>446</b>
47.0104 - Computer Installation and Repair Technology/Technician.	A program that prepares individuals to apply technical knowledge and skills to assemble, install, operate, maintain, and repair computers and related instruments. Includes instruction in power supplies, number systems, memory structure, buffers and registers, microprocessor design, peripheral equipment, programming, and networking.				10								10

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CIP Classification	CIP Program Description	BSC	DCB	DSU	LRSC	MASU	MISU	NDSCS	NDSU	UND	VCSU	WSC	Grand Total
47.0201 - Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology/Technician.	A program that prepares individuals to apply technical knowledge and skills to repair, install, service and maintain the operating condition of heating, air conditioning, and refrigeration systems. Includes instruction in diagnostic techniques, the use of testing equipment and the principles of mechanics, electricity, and electronics as they relate to the repair of heating, air conditioning and refrigeration systems.	16						1					17
47.0303 - Industrial Mechanics and Maintenance Technology.	A program that prepares individuals to apply technical knowledge and skills to repair and maintain industrial machinery and equipment such as cranes, pumps, engines and motors, pneumatic tools, conveyor systems, production machinery, marine deck machinery, and steam propulsion, refinery, and pipeline-distribution systems.	33											33
47.0603 - Autobody/Collision and Repair Technology/Technician.	A program that prepares individuals to apply technical knowledge and skills to repair, reconstruct and finish automobile bodies, fenders, and external features. Includes instruction in structure analysis, damage repair, non-structural analysis, mechanical and electrical components, plastics and adhesives, painting and refinishing techniques, and damage analysis and estimating.	15						18					33
47.0604 - Automobile/Automotive Mechanics Technology/Technician.	A program that prepares individuals to apply technical knowledge and skills to repair, service, and maintain all types of automobiles. Includes instruction in brake systems, electrical systems, engine performance, engine repair, suspension and steering, automatic and manual transmissions and drive trains, and heating and air condition systems.	23			17			46					86
47.0605 - Diesel Mechanics Technology/Technician.	A program that prepares individuals to apply technical knowledge and skills to repair, service, and maintain diesel engines in vehicles such as automobiles, buses, ships, trucks, railroad locomotives, and construction equipment; as well as stationary diesel engines in electrical generators and related equipment.							213					213
47.0606 - Small Engine Mechanics and Repair Technology/Technician.	A program that prepares individuals to apply technical knowledge and skills to repair, service, and maintain small internal-combustion engines used on portable power equipment such as lawnmowers, chain saws, rotary tillers, and snowmobiles.							23					23
47.0613 - Medium/Heavy Vehicle and Truck Technology/Technician.	A program that prepares individuals to apply technical knowledge and skills to the specialized maintenance and repair of trucks, buses, and other commercial and industrial vehicles. Includes instruction in diesel engine mechanics, suspension and steering, brake systems, electrical and electronic systems, preventive maintenance inspections, drive trains, gasoline engine mechanics, HVAC systems, and auxiliary equipment installation and repair.											30	30
47.0699 - Vehicle Maintenance and Repair Technologies, Other.	Any instructional program in vehicle and mobile equipment mechanics and repairers not listed above.							1					1
<b>48-PRECISION PRODUCTION</b>		<b>38</b>						<b>91</b>				<b>21</b>	<b>150</b>
48.0501 - Machine Tool Technology/Machinist.	A program that prepares individuals to apply technical knowledge and skills to plan, manufacture, assemble, test, and repair parts, mechanisms, machines, and structures in which materials are cast, formed, shaped, molded, heat treated, cut, twisted, pressed, fused, stamped or worked.							26					26
48.0508 - Welding Technology/Welder.	A program that prepares individuals to apply technical knowledge and skills to join or cut metal surfaces. Includes instruction in arc welding, resistance welding, brazing and soldering, cutting, high-energy beam welding and cutting, solid state welding, ferrous and non-ferrous materials, oxidation-reduction reactions, welding metallurgy, welding processes and heat treating, structural design, safety, and applicable codes and standards.	38						65				21	124

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CIP Classification	CIP Program Description	BSC	DCB	DSU	LRSC	MASU	MISU	NDSCS	NDSU	UND	VCSU	WSC	Grand Total				
<b>49-TRANSPORTATION AND MATERIALS MOVING</b>										<b>1,361</b>			<b>1,361</b>				
49.0101 - Aeronautics/Aviation/Aerospace Science and Technology, General.	A program that focuses on the general study of aviation and the aviation industry, including in-flight and ground support operations. Includes instruction in the technical, business, and general aspects of air transportation systems.									170			170				
49.0102 - Airline/Commercial/Professional Pilot and Flight Crew.	A program that prepares individuals to apply technical knowledge and skills to the flying and/or navigation of commercial passenger and cargo, agricultural, public service, corporate and rescue fixed wing aircraft. Includes instruction in principles of aircraft design and performance, aircraft flight systems and controls, flight crew operations and procedures, radio communications, navigation procedures and systems, airways safety and traffic regulations, and governmental rules and regulations pertaining to piloting aircraft. Programs may qualify individuals to sit for the FAA commercial and airline aircrew examinations.									742			742				
49.0104 - Aviation/Airway Management and Operations.	A program that prepares individuals to apply technical knowledge and skills to the management of aviation industry operations and services. Includes instruction in airport operations, ground traffic direction, ground support and flightline operations, passenger and cargo operations, flight safety and security operations, aviation industry regulation, and related business aspects of managing aviation enterprises.									150			150				
49.0105 - Air Traffic Controller.	A program that prepares individuals to apply technical knowledge and skills to air-traffic management and control, usually with additional training at the FAA Flight Control Center in a cooperative education program. Includes instruction in flight control, the use of radar and electronic scanning devices, plotting of flights, radio communication, interpretation of weather conditions affecting flights, flight instrumentation used by pilots, and maintenance of flight-control center or control-tower log books.									129			129				
49.0108 - Flight Instructor.	A program that prepares individuals to apply technical knowledge and skills to the training of pilots or navigators, to prepare them to fly and/or navigate commercial passenger and cargo, agricultural, public service, corporate and rescue aircraft, and fixed or rotary wing aircraft. Includes instruction in principles of aircraft design and performance, aircraft flight systems and controls, flight crew operations and procedures, radio communications and navigation procedures and systems, airways safety and traffic regulations, and governmental rules and regulations pertaining to piloting aircraft. Programs may qualify individuals to administer the FAA commercial air crew examinations.									18			18				
49.0199 - Air Transportation, Other.	Any instructional program in aviation and air transportation services not listed above.									152			152				
<b>50-VISUAL AND PERFORMING ARTS</b>										<b>60</b>	<b>12</b>	<b>20</b>	<b>62</b>	<b>280</b>	<b>124</b>	<b>28</b>	<b>586</b>
50.0402 - Commercial and Advertising Art.	A program in the applied visual arts that prepares individuals to use artistic techniques to effectively communicate ideas and information to business and consumer audiences via illustrations and other forms of digital or printed media. Includes instruction in concept design, layout, paste-up, and techniques such as engraving, etching, silkscreen, lithography, offset, drawing and cartooning, painting, collage, and computer graphics.	60											60				

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50.0408 - Interior Design.	A program in the applied visual arts that prepares individuals to apply artistic principles and techniques to the professional planning, designing, equipping, and furnishing of residential and commercial interior spaces. Includes instruction in computer applications, drafting, and graphic techniques; principles of interior lighting, acoustics, systems integration, and color coordination; furniture and furnishings; textiles and their finishing; the history of interior design and period styles; basic structural design; building codes and inspection regulations; and applications to office, hotel, factory, restaurant and housing design.								74				74
50.0409 - Graphic Design.	A program that prepares individuals to apply artistic and computer techniques to the interpretation of technical and commercial concepts. Includes instruction in computer-assisted art and design, printmaking, concepts sketching, technical drawing, color theory, imaging, studio technique, still and life modeling, multimedia applications, communication skills and commercial art business operations.									37			37
50.0501 - Drama and Dramatics/Theatre Arts, General.	A program that focuses on the general study of dramatic works and their performance. Includes instruction in major works of dramatic literature, dramatic styles and types, and the principles of organizing and producing full live or filmed productions.			7			6		48	14			75
50.0509 - Musical Theatre.	A program that focuses on the principles and techniques for integrating theatre, music, and dance into a unified production. Includes instruction in acting, dance, voice, technical theater, musical genres, piano, and history of musical theater.									10			10
50.0605 - Photography.	A program that focuses on the principles and techniques of communicating information, ideas, moods, and feelings through the creation of images on photographic film, plates, and digital images and that may prepare individuals to be professional photographic artists. Includes instruction in camera and equipment operation and maintenance, film and plate developing, light and composition, films and printing media, color and special effects, photographic art, photographic history, use of computer applications to record or enhance images and applications to the photography of various subjects.		12										12
50.0701 - Art/Art Studies, General.	A general program that focuses on the introductory study and appreciation of the visual arts. Includes instruction in art, photography, and other visual communications media.			2			41		43	31	5		122
50.0901 - Music, General.	A general program that focuses on the introductory study and appreciation of music and the performing arts. Includes instruction in music, dance, and other performing arts media.			5			13		115	15	22		170
50.0903 - Music Performance, General.	A program that generally prepares individuals to master musical instruments and performing art as solo and/or ensemble performers. Includes instruction on one or more specific instruments from various instrumental groupings.									17			17
50.0907 - Keyboard Instruments.	A program that prepares individuals to master the piano, organ, or related keyboard instruments and performing art as solo, ensemble, and/or accompanist performers. Includes instruction in piano and keyboard pedagogy, ensemble playing, accompanying, service playing, repertoire, keyboard and pedal skills, recital, and personal style development.										1		1



Table 4: NDUS Undergraduate Enrollments by CIP Code and Institution

CIP Classification	CIP Program Description	BSC	DCB	DSU	LRSC	MASU	MISU	NDSCS	NDSU	UND	VCSU	WSC	Grand Total
50.1002 - Fine and Studio Arts Management.	A program that prepares individuals to organize and manage fine and studio art organizations, operations, and facilities. Includes instruction in business and financial management; marketing and fundraising; personnel management and labor relations; event promotion and management; public relations and arts advocacy; arts law; and applications to specific arts activities such as galleries, museums, studios, foundations, and community organizations.			6			2						8
<b>51-HEALTH PROFESSIONS AND RELATED PROGRAMS</b>		<b>245</b>	<b>85</b>	<b>150</b>	<b>151</b>	<b>49</b>	<b>490</b>	<b>526</b>	<b>1,790</b>	<b>1,753</b>	<b>95</b>	<b>172</b>	<b>5,506</b>
51.0201 - Communication Sciences and Disorders, General.	A program that focuses on the application of biomedical, psychological, and physical principles to the study of the scientific bases, development, and treatment of speech, language, hearing, and cognitive communication problems caused by disease, injury, or disability. Includes instruction in language science, hearing science, speech and voice science, biology of communication, behavioral linguistics, psychology, and applications to the development of diagnostic and rehabilitative strategies and technologies.						74			95			169
51.0203 - Speech-Language Pathology/Pathologist.	A program that prepares individuals to evaluate the speaking, language interpretation, and related physiological and cognitive capabilities of children and/or adults and develop treatment and rehabilitative solutions in consultation with clinicians and educators. Includes instruction in the anatomy and physiology of speech and hearing, biomechanics of swallowing and vocal articulation, communications disorders, psychology of auditory function and cognitive communication, language assessment and diagnostic techniques, and rehabilitative and management therapies.				13							7	20
51.0204 - Audiology/Audiologist and Speech-Language Pathology/Pathologist.	An integrated program that prepares individuals to work as both audiologists and speech-language pathologists. Includes instruction in a variety of communication disorder studies, audiology, speech pathology, language acquisition, and the design and implementation of comprehensive therapeutic and rehabilitative solutions to communications problems.									1			1
51.0601 - Dental Assisting/Assistant.	A program that prepares individuals to provide patient care, take dental radiographs (x-ray photographs), prepare patients and equipment for dental procedures, and discharge office administrative functions under the supervision of dentists and dental hygienists. Includes instruction in medical record-keeping, general office duties, reception and patient intake, scheduling, equipment maintenance and sterilization, basic radiography, pre- and post-operative patient care and instruction, chairside assisting, taking tooth and mouth impressions, and supervised practice.							37					37
51.0602 - Dental Hygiene/Hygienist.	A program that prepares individuals to clean teeth and apply preventive materials, provide oral health education and treatment counseling to patients, identify oral pathologies and injuries, and manage dental hygiene practices. Includes instruction in dental anatomy, microbiology, and pathology; dental hygiene theory and techniques; cleaning equipment operation and maintenance; dental materials; radiology; patient education and counseling; office management; supervised clinical training; and professional standards.							95					95

Table 4: NDUS Undergraduate Enrollments by CIP Code and Institution

CIP Classification	CIP Program Description	BSC	DCB	DSU	LRSC	MASU	MISU	NDSCS	NDSU	UND	VCSU	WSC	Grand Total
51.0707 - Health Information/Medical Records Technology/Technician.	A program that prepares individuals, under the supervision of health information administrators and other professionals, to construct medical records and clinical databases, perform manipulations on retrieved data, control the security and quality of records, and supervise data entry and technical maintenance personnel. Includes instruction in clinical and biomedical science data and information requirements, database management, data coding and validation, information security, quality control, health information content and structure, medical business procedures, and legal requirements.							50					50
51.0713 - Medical Insurance Coding Specialist/Coder.	A program that prepares individuals to perform specialized data entry, classification, and record-keeping procedures related to medical diagnostic, treatment, billing, and insurance documentation. Includes instruction in medical records and insurance software applications, basic anatomy and physiology, medical terminology, fundamentals of medical science and treatment procedures, data classification and coding, data entry skills, and regulations relating to Medicare and insurance documentation.		4									2	6
51.0716 - Medical Administrative/Executive Assistant and Medical Secretary.	A program that prepares individuals to perform the duties of special assistants and personal secretaries for practicing physicians and nurses, health care facilities and services administrators, and other health care professionals. Includes instruction in business and medical communications, medical terminology, principles of health care operations, public relations and interpersonal communications, software applications, record-keeping and filing systems, scheduling and meeting planning, applicable policy and regulations, and professional standards and ethics.	9		2									11
51.0801 - Medical/Clinical Assistant.	A program that prepares individuals, under the supervision of physicians, to provide medical office administrative services and perform clinical duties including patient intake and care, routine diagnostic and recording procedures, pre-examination and examination assistance, and the administration of medications and first aid. Includes instruction in basic anatomy and physiology; medical terminology; medical law and ethics; patient psychology and communications; medical office procedures; and clinical diagnostic, examination, testing, and treatment procedures.											6	6
51.0803 - Occupational Therapist Assistant.	A program that prepares individuals, under the supervision of occupational therapists, to direct patient participation in skill-enhancing, learning, and motivational tasks; correct or diminish pathologies; and to provide direct health education and promotion services. Includes instruction in human life span development, occupational therapy principles and practice skills, treatment planning and implementation, record-keeping and documentation, patient education and intervention, activity and program direction, and assistive services management.							59					59
51.0805 - Pharmacy Technician/Assistant.	A program that prepares individuals, under the supervision of pharmacists, to prepare medications, provide medications and related assistance to patients, and manage pharmacy clinical and business operations. Includes instruction in medical and pharmaceutical terminology, principles of pharmacology and pharmaceutics, drug identification, pharmacy laboratory procedures, prescription interpretation, patient communication and education, safety procedures, record-keeping, measurement and testing techniques, pharmacy business operations, prescription preparation, logistics and dispensing operations, and applicable standards and regulations.							21					21

Table 4: NDUS Undergraduate Enrollments by CIP Code and Institution

CIP Classification	CIP Program Description	BSC	DCB	DSU	LRSC	MASU	MISU	NDSCS	NDSU	UND	VCSU	WSC	Grand Total
51.0808 - Veterinary/Animal Health Technology/Technician and Veterinary Assistant.	A program that prepares individuals, under the supervision of veterinarians, laboratory animal specialists, and zoological professionals, to provide patient management, care, and clinical procedures assistance as well as owner communication. Includes instruction in animal nursing care, animal health and nutrition, animal handling, clinical pathology, radiology, anesthesiology, dental prophylaxis, surgical assisting, clinical laboratory procedures, office administration skills, patient and owner management, and applicable standards and regulations.								143				143
51.0903 - Electroneurodiagnostic/Electroencephalographic Technology/Technologist.	A program that prepares individuals, under the supervision of a physician, to study and record electrical activity in the brain and nervous system for purposes of patient monitoring and supporting diagnoses. Includes instruction in patient communication and care; taking and abstracting patient histories; application of recording electrodes; EEG, EP, and PSG equipment operation and procedural techniques; and data recording and documentation.									30			30
51.0904 - Emergency Medical Technology/Technician (EMT Paramedic).	A program that prepares individuals, under the remote supervision of physicians, to recognize, assess, and manage medical emergencies in prehospital settings and to supervise Ambulance personnel. Includes instruction in basic, intermediate, and advanced EMT procedures; emergency surgical procedures; medical triage; rescue operations; crisis scene management and personnel supervision; equipment operation and maintenance; patient stabilization, monitoring, and care; drug administration; identification and preliminary diagnosis of diseases and injuries; communication and computer operations; basic anatomy, physiology, pathology, and toxicology; and professional standards and regulations.	25	6					56					87
51.0907 - Medical Radiologic Technology/Science - Radiation Therapist.	A program that prepares individuals to administer prescribed courses of radiation treatment, manage patients undergoing radiation therapy, and maintain pertinent records. Includes instruction in applied anatomy and physiology, oncologic pathology, radiation biology, radiation oncology procedures and techniques, radiation dosimetry, tumor localization, treatment planning, patient communication and management, data collection, record-keeping, and applicable standards and regulations.						43						43
51.0908 - Respiratory Care Therapy/Therapist.	A program that prepares individuals, under the supervision of physicians, to assist in developing respiratory care plans, administer respiratory care procedures, supervise personnel and equipment operation, maintain records, and consult with other health care team members. Includes instruction in the applied basic biomedical sciences; anatomy, physiology, and pathology of the respiratory system; clinical medicine; therapeutic procedures; clinical expressions; data collection and record-keeping; patient communication; equipment operation and maintenance; personnel supervision; and procedures for special population groups.								51				51
51.0909 - Surgical Technology/Technologist.	A program that prepares individuals, under the supervision of physicians and surgical nurses, to maintain, monitor, and enforce the sterile field and adherence to aseptic technique by preoperative, surgical team, and postoperative personnel. Includes instruction in instrument and equipment sterilization and handling, surgical supplies management, wound exposure and closure, surgical computer and robot operation and monitoring, maintenance of hemostasis, and patient and team scrubbing.	35											35

Table 4: NDUS Undergraduate Enrollments by CIP Code and Institution

CIP Classification	CIP Program Description	BSC	DCB	DSU	LRSC	MASU	MISU	NDSCS	NDSU	UND	VCSU	WSC	Grand Total
51.0911 - Radiologic Technology/Science - Radiographer.	A program that prepares individuals, under the supervision of physicians, to provide medical imaging services to patients and attending health care professionals. Includes instruction in applied anatomy and physiology, patient positioning, radiographic technique, radiation biology, safety and emergency procedures, equipment operation and maintenance, quality assurance, patient education, and medical imaging/radiologic services management.								173				173
51.0913 - Athletic Training/Trainer.	A program that prepares individuals to work in consultation with, and under the supervision of physicians to prevent and treat sports injuries and associated conditions. Includes instruction in the identification, evaluation, and treatment of athletic injuries and illnesses; first aid and emergency care; therapeutic exercise; anatomy and physiology; exercise physiology; kinesiology and biomechanics; nutrition; sports psychology; personal and community health; knowledge of various sports and their biomechanical and physiological demands; and applicable professional standards and regulations.						40			25	42		107
51.1004 - Clinical/Medical Laboratory Technician.	A program that prepares individuals, under the supervision of clinical laboratory scientists/medical technologists, to perform routine medical laboratory procedures and tests and to apply preset strategies to record and analyze data. Includes instruction in general laboratory procedures and skills; laboratory mathematics; medical computer applications; interpersonal and communications skills; and the basic principles of hematology, medical microbiology, immunohematology, immunology, clinical chemistry, and urinalysis.	21											21
51.1005 - Clinical Laboratory Science/Medical Technology/Technologist.	A program that prepares individuals to conduct and supervise complex medical tests, clinical trials, and research experiments; manage clinical laboratories; and consult with physicians and clinical researchers on diagnoses, disease causation and spread, and research outcomes. Includes instruction in the theory and practice of hematology, clinical chemistry, microbiology, immunology, immunohematology, physiological relationships to test results, laboratory procedures and quality assurance controls, test and research design and implementation, analytic techniques, laboratory management, data development and reporting, medical informatics, and professional standards and regulations.						13		68	260	8		349
51.1007 - Histologic Technology/Histotechnologist.	A program that prepares individuals, at the request of physicians, researchers, and laboratory scientists, to identify tissue structures and cell components and relate these findings to physiological functions and to the detection and diagnosis of diseases and other abnormalities. Includes instruction in medical chemistry, histochemistry, biochemistry, anatomy, physiology, medical informatics, applied mathematics, electron microscopy, instrumentation, quality control procedures, data recording and analysis, laboratory administration, medical terminology, and professional standards and ethics.									10			10
51.1199 - Health/Medical Preparatory Programs, Other.	Any instructional program in health and medical professional preparation not listed above.										45		45
51.1401 - Medical Scientist.	An undifferentiated clinical science program that prepares clinicians to conduct clinical and translational research in various areas. Note: programs that prepare clinicians to conduct research in specific scientific fields should report under the relevant CIP code series (e.g., Series 26 Biological and Biomedical Sciences).						37						37

Table 4: NDUS Undergraduate Enrollments by CIP Code and Institution

CIP Classification	CIP Program Description	BSC	DCB	DSU	LRSC	MASU	MISU	NDSCS	NDSU	UND	VCSU	WSC	Grand Total
51.1502 - Psychiatric/Mental Health Services Technician.	A program that prepares individuals, under the supervision of psychiatrists, psychologists, nurses, and other mental health care professionals, to provide direct patient care services, assist in developing and implementing treatment plans, administer medications, and perform related administrative functions. Includes instruction in mental health theory, applied psychopathology, patient communication and management, crisis intervention, psychotropic medication, mental health treatment procedures, substance abuse, record-keeping, clinical administrative skills, and applicable standards and regulations.											15	15
51.2001 - Pharmacy.	A program that prepares individuals for the independent or employed practice of preparing and dispensing drugs and medications in consultation with prescribing physicians and other health care professionals, and for managing pharmacy practices and counseling patients. Includes instruction in mathematics, physics, chemistry, biochemistry, anatomy, physiology, pharmacology, pharmaceutical chemistry, pharmacognosy, pharmacy practice, pharmacy administration, applicable regulations, and professional standards and ethics.								322				322
51.2010 - Pharmaceutical Sciences.	A program that focuses on the basic sciences that underlie drugs and drug therapy and that prepares individuals for further study and/or careers in pharmaceutical science and research, pharmaceutical administration and sales, biotechnology, drug manufacturing, regulatory affairs, and related fields. Includes instruction in mathematics, biology, chemistry, physics, statistics, pharmaceutics, pharmacology and toxicology, dosage formulation, manufacturing, quality assurance, and regulations.								1				1
51.2202 - Environmental Health.	A program that focuses on the application of environmental sciences, public health, the biomedical sciences, and environmental toxicology to the study of environmental factors affecting human health, safety, and related ecological issues, and prepares individuals to function as professional environmental health specialists. Includes instruction in epidemiology, biostatistics, toxicology, public policy analysis, public management, risk assessment, communications, environmental law, occupational health and safety emergency response, and applications such as air quality, food protection, radiation protection, solid and hazardous waste management, water quality, soil quality, noise abatement, housing quality, and environmental control of recreational areas.												4
51.2207 - Public Health Education and Promotion.	A program that focuses on the application of educational and communications principles and methods to the promotion of preventive health measures and the education of targeted populations on health issues, and prepares individuals to function as public health educators and health promotion specialists. Includes instruction in human development, health issues across the life span, population-specific health issues, principles and methods of public health education, administration of health education campaigns and programs, evaluation methods, public communications, and applications to specific public health subjects and issues.									18			18
51.2305 - Music Therapy/Therapist.	A program that prepares individuals, in association with a rehabilitation team or in private practice, to use music in therapeutic relationships to address patients' physical, psychological, cognitive, emotional, and social needs. Includes instruction in music theory and performance, human growth and development, biomedical sciences, abnormal psychology, disabling conditions, patient assessment and diagnosis, treatment plan development and implementation, clinical evaluation, record-keeping, and professional standards and ethics.										27		27

Table 4: NDUS Undergraduate Enrollments by CIP Code and Institution

CIP Classification	CIP Program Description	BSC	DCB	DSU	LRSC	MASU	MISU	NDSCS	NDSU	UND	VCSU	WSC	Grand Total
51.2306 - Occupational Therapy/Therapist.	A program that prepares individuals to assist patients limited by physical, cognitive, psychosocial, mental, developmental, and learning disabilities, as well as adverse environmental conditions, to maximize their independence and maintain optimum health through a planned mix of acquired skills, performance motivation, environmental adaptations, assistive technologies, and physical agents. Includes instruction in the basic medical sciences, psychology, sociology, patient assessment and evaluation, standardized and non-standardized tests and measurements, assistive and rehabilitative technologies, ergonomics, environmental health, special education, vocational counseling, health education and promotion, and professional standards and ethics.									228			228
51.2308 - Physical Therapy/Therapist.	A program that prepares individuals to alleviate physical and functional impairments and limitations caused by injury or disease through the design and implementation of therapeutic interventions to promote fitness and health. Includes instruction in functional anatomy and physiology, kinesiology, neuroscience, pathological physiology, analysis of dysfunction, movement dynamics, physical growth process, management of musculoskeletal disorders, clinical evaluation and measurement, client assessment and supervision, care plan development and documentation, physical therapy modalities, rehabilitation psychology, physical therapy administration, and professional standards and ethics.									209			209
51.2309 - Therapeutic Recreation/Recreational Therapy.	A program that prepares individuals to plan, organize, and direct recreational activities designed to promote health and well-being for patients who are physically, mentally, or emotionally disabled. Includes instruction in the foundations of therapeutic recreation, leisure education and counseling, program planning, therapeutic recreational modalities, basic anatomy and physiology, psychology, medical terminology, human growth and development, patient observation and evaluation, special needs populations, and professional standards and ethics.								1				1
51.2314 - Rehabilitation Science.	A program that focuses on human function, disability, and rehabilitation from the perspectives of the health sciences, social sciences, psychology, engineering, and related fields. Includes instruction in psychological, social, and cultural aspects of disability and rehabilitation; sensory and motor function and dysfunction; biomechanics and kinesiology; assistive technology; rehabilitation instrumentation and methodology; statistics; and health and rehabilitation policy.									51			51
51.3101 - Dietetics/Dietitian.	A program that prepares individuals to integrate and apply the principles of the food and nutrition sciences, human behavior, and the biomedical sciences to design and manage effective nutrition programs in a variety of settings. Includes instruction in human nutrition; nutrient metabolism; the role of foods and nutrition in health promotion and disease prevention; planning and directing food service activities; diet and nutrition analysis and planning; supervision of food storage and preparation; client education; and professional standards and regulations.								101	57			158

Table 4: NDUS Undergraduate Enrollments by CIP Code and Institution

CIP Classification	CIP Program Description	BSC	DCB	DSU	LRSC	MASU	MISU	NDSCS	NDSU	UND	VCSU	WSC	Grand Total
51.3102 - Clinical Nutrition/Nutritionist.	A program that prepares individuals to apply the principles of dietetics and the biomedical and nutrition sciences to design and manage effective nutrition programs as part of clinical treatment and therapy programs, and to manage health care facility food services. Includes instruction in human nutrition, nutrient metabolism, the role of foods and nutrition in health promotion and disease prevention, nutrition as a treatment regime, planning and directing hospital food service programs, diet and nutrition analysis and planning, supervision of food storage and preparation, special diets, client education, and professional standards and regulations.									26			26
51.3501 - Massage Therapy/Therapeutic Massage.	A program that prepares individuals to provide relief and improved health and well-being to clients through the application of manual techniques for manipulating skin, muscles, and connective tissues. Includes instruction in Western (Swedish) massage, sports massage, myotherapy/trigger point massage, myofascial release, deep tissue massage, cranio-sacral therapy, reflexology, massage safety and emergency management, client counseling, practice management, applicable regulations, and professional standards and ethics.											20	20
51.3801 - Registered Nursing/Registered Nurse.	A program that generally prepares individuals in the knowledge, techniques and procedures for promoting health, providing care for sick, disabled, infirmed, or other individuals or groups. Includes instruction in the administration of medication and treatments, assisting a physician during treatments and examinations, Referring patients to physicians and other health care specialists, and planning education for health maintenance.	65	22	35	37	49	283	26	930	716		63	2,226
51.3901 - Licensed Practical/Vocational Nurse Training.	A program that prepares individuals to assist in providing general nursing care under the direction of a registered nurse, physician or dentist. Includes instruction in taking patient vital signs, applying sterile dressings, patient health education, and assistance with examinations and treatment.	90	45	111	101			182				65	594
<b>52-BUSINESS, MANAGEMENT, MARKETING, AND RELATED SUPPORT SERVICES</b>		<b>334</b>	<b>37</b>	<b>338</b>	<b>77</b>	<b>138</b>	<b>595</b>	<b>105</b>	<b>1,779</b>	<b>1,404</b>	<b>116</b>	<b>113</b>	<b>5,036</b>
52.0101 - Business/Commerce, General.	A program that focuses on the general study of business, including the processes of interchanging goods and services (buying, selling and producing), business organization, and accounting as used in profit-making and nonprofit public and private institutions and agencies. The programs may prepare individuals to apply business principles and techniques in various occupational settings.	71		2		22				144			239
52.0201 - Business Administration and Management, General.	A program that generally prepares individuals to plan, organize, direct, and control the functions and processes of a firm or organization. Includes instruction in management theory, human resources management and behavior, accounting and other quantitative methods, purchasing and logistics, organization and production, marketing, and business decision-making.			172	54	60	273	100	363	84	106		1,212
52.0205 - Operations Management and Supervision.	A program that prepares individuals to manage and direct the physical and/or technical functions of a firm or organization, particularly those relating to development, production, and manufacturing. Includes instruction in principles of general management, manufacturing and production systems, plant management, equipment maintenance management, production control, industrial labor relations and skilled trades supervision, strategic manufacturing policy, systems analysis, productivity analysis and cost control, and materials planning.	234								29			263

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CIP Classification	CIP Program Description	BSC	DCB	DSU	LRSC	MASU	MISU	NDSCS	NDSU	UND	VCSU	WSC	Grand Total
52.0206 - Non-Profit/Public/Organizational Management.	A program that prepares individuals to manage the business affairs of non-profit corporations, including foundations, educational institutions, associations, and other such organizations, and public agencies and governmental operations. Includes instruction in business management, principles of public administration, principles of accounting and financial management, human resources management, taxation of non-profit organizations, and business law as applied to non-profit organizations.									1			1
52.0208 - E-Commerce/Electronic Commerce.	A program that prepares individuals to plan, manage, supervise, and market electronic business operations, products, and services provided online via the Internet. Includes instruction in business administration, information technology, information resources management, web design, computer and Internet law and policy, computer privacy and security, e-trading, insurance, electronic marketing, investment capital planning, enterprise operations, personnel supervision, contracting, and product and service networking.							5					5
52.0299 - Business Administration, Management and Operations, Other.	Any instructional program in business and administration not listed above.					56	11		191			83	341
52.0301 - Accounting.	A program that prepares individuals to practice the profession of accounting and to perform related business functions. Includes instruction in accounting principles and theory, financial accounting, managerial accounting, cost accounting, budget control, tax accounting, legal aspects of accounting, auditing, reporting procedures, statement analysis, planning and consulting, business information systems, accounting research methods, professional standards and ethics, and applications to specific for-profit, public, and non-profit organizations.			89			93		313	314			809
52.0302 - Accounting Technology/Technician and Bookkeeping.	A program that prepares individuals to provide technical administrative support to professional accountants and other financial management personnel. Includes instruction in posting transactions to accounts, record-keeping systems, accounting software operation, and general accounting principles and practices.		1									30	31
52.0304 - Accounting and Finance.	An integrated or combined program in accounting and finance that prepares individuals to function as accountants and financial managers or analysts.									59			59
52.0399 - Accounting and Related Services, Other.	Any instructional program in accounting not listed above.		1										1
52.0401 - Administrative Assistant and Secretarial Science, General.	A program that generally prepares individuals to perform the duties of administrative assistants and/or secretaries and stenographers. Includes instruction in business communications, principles of business law, word processing and data entry, office machines operation and maintenance, office procedures, public relations, secretarial accounting, filing systems and records management, and report preparation.	21	7	11	4								43
52.0407 - Business/Office Automation/Technology/Data Entry.	A program that prepares individuals to support business information operations by using computer equipment to enter, process, and retrieve data for a wide variety of administrative purposes. Includes instruction in using basic business software and hardware, business computer networking, principles of desktop publishing, preparing mass mailings, compiling and editing spreadsheets, list maintenance, preparing tables and graphs, receipt control, and preparing business performance reports.	8											8
52.0408 - General Office Occupations and Clerical Services.	A program that prepares individuals to provide basic administrative support under the supervision of office managers, administrative assistants, secretaries, and other office personnel. Includes instruction in typing, keyboarding, filing, general business correspondence, office equipment operation, and communications skills.		1										1



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CIP Classification	CIP Program Description	BSC	DCB	DSU	LRSC	MASU	MISU	NDSCS	NDSU	UND	VCSU	WSC	Grand Total
52.0501 - Business/Corporate Communications.	A program that prepares individuals to function in an organization as a composer, editor and proofreader of business or business-related communications.								47				47
52.0601 - Business/Managerial Economics.	A program that focuses on the application of economics principles to the analysis of the organization and operation of business enterprises. Includes instruction in monetary theory, banking and financial systems, theory of competition, pricing theory, wage and salary/incentive theory, analysis of markets, and applications of econometrics and quantitative methods to the study of particular businesses and business problems.									126			126
52.0701 - Entrepreneurship/Entrepreneurial Studies.	A program that generally prepares individuals to perform development, marketing and management functions associated with owning and operating a business.									43			43
52.0703 - Small Business Administration/Management.	A program that prepares individuals to develop and manage independent small businesses. Includes instruction in business administration; enterprise planning and entrepreneurship; start-up; small business operations and problems; personnel supervision; capitalization and investment; taxation; business law and regulations; e-commerce; home business operations; and applications to specific sectors, products, and services.		24										24
52.0801 - Finance, General.	A program that generally prepares individuals to plan, manage, and analyze the financial and monetary aspects and performance of business enterprises, banking institutions, or other organizations. Includes instruction in principles of accounting, financial instruments, capital planning, funds acquisition, asset and debt management, budgeting, financial analysis, and investments and portfolio management.			30			45		253	121			449
52.0807 - Investments and Securities.	A program that prepares individuals to manage assets placed in capital markets, and related technical operations. Includes instruction in security analysis, debt and equity analysis, investment strategies, securities markets, computer-assisted research, portfolio management, portfolio performance analysis, and applications to specific investment problems and business situations.									45			45
52.0899 - Finance and Financial Management Services, Other.	Any instructional program in financial management and services not listed above.							19					19
52.0901 - Hospitality Administration/Management, General.	A program that prepares individuals to serve as general managers and directors of hospitality operations on a system-wide basis, including both travel arrangements and promotion and the provision of traveler facilities. Includes instruction in principles of operations in the travel and tourism, hotel and lodging facilities, food services, and recreation facilities industries; hospitality marketing strategies; hospitality planning; management and coordination of franchise and unit operations; business management; accounting and financial management; hospitality transportation and logistics; and hospitality industry policies and regulations.								58				58
52.1001 - Human Resources Management/Personnel Administration, General.	A program that generally prepares individuals to manage the development of human capital in organizations, and to provide related services to individuals and groups. Includes instruction in personnel and organization policy, human resource dynamics and flows, labor relations, sex roles, civil rights, human resources law and regulations, motivation and compensation systems, work systems, career management, employee testing and assessment, recruitment and selection, managing employee and job training programs, and the management of human resources programs and operations.			33						53			86

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CIP Classification	CIP Program Description	BSC	DCB	DSU	LRSC	MASU	MISU	NDSCS	NDSU	UND	VCSU	WSC	Grand Total
52.1101 - International Business/Trade/Commerce.	A program that prepares individuals to manage international businesses and/or business operations. Includes instruction in the principles and processes of export sales, trade controls, foreign operations and related problems, monetary issues, international business policy, and applications to doing business in specific countries and markets.			1			30						31
52.1201 - Management Information Systems, General.	A program that generally prepares individuals to provide and manage data systems and related facilities for processing and retrieving internal business information; select systems and train personnel; and respond to external data requests. Includes instruction in cost and accounting information systems, management control systems, personnel information systems, data storage and security, business systems networking, report preparation, computer facilities and equipment operation and maintenance, operator supervision and training, and management information systems policy and planning.				10		55		97		10		172
52.1299 - Management Information Systems and Services, Other.	Any program in business information and data processing services not listed above.						9						9
52.1401 - Marketing/Marketing Management, General.	A program that generally prepares individuals to undertake and manage the process of developing consumer audiences and moving products from producers to consumers. Includes instruction in buyer behavior and dynamics, principle of marketing research, demand analysis, cost-volume and profit relationships, pricing theory, marketing campaign and strategic planning, market segments, advertising methods, sales operations and management, consumer relations, retailing, and applications to specific products and markets.		3				60		268		265		596
52.1801 - Sales, Distribution, and Marketing Operations, General.	A program that focuses on the general process and techniques of direct wholesale and retail buying and selling operations and introduces individuals to related careers. Includes instruction in the principles of entrepreneurial economics, basic sales skills, the distribution channels for goods and services, and supervised practical application experiences.									120			120
52.1899 - General Merchandising, Sales, and Related Marketing Operations, Other.	Any instructional program in merchandising, sales, and related marketing operations not listed above.				9								9
52.2001 - Construction Management.	A program that prepares individuals to manage, coordinate, and supervise the construction process from concept development through project completion on timely and economic bases. Includes instruction in commercial, residential, mechanical, highway/heavy civil, electrical, environmental, industrial, and specialty construction; facilities management; project planning; budgeting and cost control; logistics and materials management; personnel management and labor relations; site safety; construction contracting; construction processes and techniques; organization and scheduling; and applicable codes and regulations.								189				189
<b>54-HISTORY</b>				<b>5</b>			<b>19</b>		<b>46</b>	<b>54</b>	<b>5</b>		<b>129</b>
54.0101 - History, General.	A program that focuses on the general study and interpretation of the past, including the gathering, recording, synthesizing and criticizing of evidence and theories about past events. Includes instruction in historiography; historical research methods; studies of specific periods, issues and cultures; and applications to areas such as historic preservation, public policy, and records administration.			5			19		37	54	5		120

Table 4: NDUS Undergraduate Enrollments by CIP Code and Institution

CIP Classification	CIP Program Description	BSC	DCB	DSU	LRSC	MASU	MISU	NDSCS	NDSU	UND	VCSU	WSC	Grand Total
54.0105 - Public/Applied History.	A program that focuses on the application of history and administrative skills to the recording of public events and the management of related historical resources. Includes instruction in historical research methods, the planning and administration of public history projects, and applications to specific problems in public organizations, government agencies, foundations, and other facilities.								9				9
<b>99-NON DEGREE</b>		<b>916</b>	<b>378</b>	<b>228</b>	<b>1,233</b>	<b>294</b>	<b>573</b>	<b>874</b>	<b>306</b>	<b>627</b>	<b>223</b>	<b>288</b>	<b>5,940</b>
99.9999 - Non Degree	Non-Degree	916	378	228	1,233	294	573	874	306	627	223	288	5,940

Table 5: NDUS Graduate and Professional Enrollments by CIP and Institution

CIP Classification	CIP Program Description	DSU	MASU	MISU	NDSU	UND	VCSU	NDUS Total
<b>01-AGRICULTURE, AGRICULTURE OPERATIONS, AND RELATED SCIENCES</b>					<b>189</b>			<b>189</b>
01.0103 - Agricultural Economics.	A program that focuses on the application of economics to the analysis of resource allocation, productivity, investment, and trends in the agricultural sector, both domestically and internationally. Includes instruction in economics and related subfields as well as applicable agricultural fields.				22			22
01.0701 - International Agriculture.	A program that focuses on the application of agricultural management and scientific principles to the problems of global food production and distribution, and to the study of the agricultural systems of other countries. Includes instruction in agricultural economics; comparative agricultural systems; international agribusiness and law; third-world development studies and economic development; and global applications of climate, soil, water resources, ecological and environmental studies, and animal and plant sciences.				2			2
01.0901 - Animal Sciences, General.	A general program that focuses on the scientific principles that underlie the breeding and husbandry of agricultural animals, and the production, processing, and distribution of agricultural animal products. Includes instruction in the animal sciences, animal husbandry and production, and agricultural and food products processing.				32			32
01.1002 - Food Technology and Processing.	A program that focuses on the application of chemical, physical, and engineering principles to the development and implementation of manufacturing, packaging, storage, and distribution technologies and processes for food products. Includes instruction in food engineering, food preservation and handling, food preparation, food packaging and display, food storage and shipment, and related equipment and facilities design, operation, and maintenance.				26			26
01.1099 - Food Science and Technology, Other.	Any instructional program in food sciences and technology not listed above.				5			5
01.1102 - Agronomy and Crop Science.	A program that focuses on the chemical, physical, and biological relationships of crops and the soils nurturing them. Includes instruction in the growth and behavior of agricultural crops, the development of new plant varieties, and the scientific management of soils and nutrients for maximum plant nutrition, health, and productivity.				72			72
01.1103 - Horticultural Science.	A program that focuses on the scientific principles related to the cultivation of garden and ornamental plants, including fruits, vegetables, flowers, and landscape and nursery crops. Includes instruction in specific types of plants, such as citrus; breeding horticultural varieties; physiology of horticultural species; and the scientific management of horticultural plant development and production through the life cycle.				5			5
01.1106 - Range Science and Management.	A program that focuses on the scientific study of rangelands, arid regions, grasslands, and other areas of low productivity, as well as the principles of managing such resources for maximum benefit and environmental balance. Includes instruction in livestock management, wildlife biology, plant sciences, ecology, soil science, and hydrology.				13			13
01.1201 - Soil Science and Agronomy, General.	A program that generally focuses on the scientific classification of soils, soil properties, and their relationship to agricultural crops. Includes instruction in soil chemistry, soil physics, soil biology, soil fertility, morphogenesis, mineralogy, hydrology, agronomy, and soil conservation and management.				12			12

Table 5: NDUS Graduate and Professional Enrollments by CIP and Institution

CIP Classification	CIP Program Description	DSU	MASU	MISU	NDSU	UND	VCSU	NDUS Total
<b>03-NATURAL RESOURCES AND CONSERVATION</b>					<b>37</b>	<b>23</b>		<b>60</b>
03.0103 - Environmental Studies.	A program that focuses on environment-related issues using scientific, social scientific, or humanistic approaches or a combination. Includes instruction in the basic principles of ecology and environmental science and related subjects such as policy, politics, law, economics, social aspects, planning, pollution control, natural resources, and the interactions of human beings and nature.					23		23
03.0201 - Natural Resources Management and Policy.	A program that prepares individuals to plan, develop, manage, and evaluate programs to protect and regulate natural habitats and renewable natural resources. Includes instruction in the principles of wildlife and conservation biology, environmental science, animal population surveying, natural resource economics, management techniques for various habitats, applicable law and policy, administrative and communications skills, and public relations.				37			37
<b>04-ARCHITECTURE AND RELATED SERVICES</b>					<b>49</b>			<b>49</b>
04.0201 - Architecture.	A program that prepares individuals for the independent professional practice of architecture and to conduct research in various aspects of the field. Includes instruction in architectural design, history, and theory; building structures and environmental systems; project and site planning; construction; professional responsibilities and standards; and related cultural, social, economic, and environmental issues.				49			49
<b>09-COMMUNICATION, JOURNALISM, AND RELATED PROGRAMS</b>					<b>40</b>	<b>5</b>		<b>45</b>
09.0100 - Communication, General.	A program that focuses on the comprehensive study of communication, and that spans the study of mass communication/media studies, old and new media technologies, social and political applications, and speech communication and rhetoric. Includes instruction in interpersonal, group, organizational, and intercultural communication; theories of communication; critical thinking, argumentation, and persuasion; written communication; printed, electronic, and digital media; rhetorical tradition and criticism; media, society, and culture; consequences and effects of mass media; media social science and criticism; and quantitative and qualitative methods of inquiry.				18	5		23
09.0101 - Speech Communication and Rhetoric.	A program that focuses on the scientific, humanistic, and critical study of human communication in a variety of formats, media, and contexts. Includes instruction in the theory and practice of interpersonal, group, organizational, professional, and intercultural communication; speaking and listening; verbal and nonverbal interaction; rhetorical theory and criticism; performance studies; argumentation and persuasion; technologically mediated communication; popular culture; and various contextual applications.				8			8
09.0102 - Mass Communication/Media Studies.	A program that focuses on the analysis and criticism of media institutions and media texts, how people experience and understand media content, and the roles of media in producing and transforming culture. Includes instruction in communications regulation, law, and policy; media history; media aesthetics, interpretation, and criticism; the social and cultural effects of mass media; cultural studies; the economics of media industries; visual and media literacy; and the psychology and behavioral aspects of media messages, interpretation, and utilization.				14			14
<b>11-COMPUTER &amp; INFORMATION SCIENCES &amp; SUPPORT SERVICES</b>					<b>80</b>	<b>40</b>		<b>120</b>
11.0701 - Computer Science.	A program that focuses on computer theory, computing problems and solutions, and the design of computer systems and user interfaces from a scientific perspective. Includes instruction in the principles of computational science, computer development and programming, and applications to a variety of end-use situations.				80	40		120

Table 5: NDUS Graduate and Professional Enrollments by CIP and Institution

CIP Classification	CIP Program Description	DSU	MASU	MISU	NDSU	UND	VCSU	NDUS Total
<b>13-EDUCATION</b>			<b>5</b>	<b>96</b>	<b>301</b>	<b>796</b>	<b>150</b>	<b>1348</b>
13.1210 - Early Childhood Education and Teaching.	A program that prepares individuals to teach students ranging in age from infancy through eight years (grade three), depending on the school system or state regulations. Includes preparation to teach all relevant subject matter.					53		53
13.0101 - Education, General.	A program that focuses on the general theory and practice of learning and teaching, the basic principles of educational psychology, the art of teaching, the planning and administration of educational activities, school safety and health issues, and the social foundations of education.			42				42
13.0301 - Curriculum and Instruction.	A program that focuses on the curriculum and related instructional processes and tools, and that may prepare individuals to serve as professional curriculum specialists. Includes instruction in curriculum theory, curriculum design and planning, instructional material design and evaluation, curriculum evaluation, and applications to specific subject matter, programs or educational levels.					10		10
13.0401 - Educational Leadership and Administration, General.	A program that focuses on the general principles and techniques of administering a wide variety of schools and other educational organizations and facilities, supervising educational personnel at the school or staff level, and that may prepare individuals as general administrators and supervisors.				106	66		172
13.0406 - Higher Education/Higher Education Administration.	A program that focuses on the principles and practice of administration in four-year colleges, universities and higher education systems, the study of higher education as an object of applied research, and which may prepare individuals to function as administrators in such settings. Includes instruction in higher education economics and finance; policy and planning studies; curriculum; faculty and labor relations; higher education law; college student services; research on higher education; institutional research; marketing and promotion; and issues of evaluation, accountability and philosophy.					54		54
13.0501 - Educational/Instructional Technology.	A program that focuses on integrating technology into educational curricula. Includes instruction in foundations of educational technology, computer applications, utilizing technology for assessment, multimedia instruction, web-based instruction, distance education, and designing and producing educational software and materials.					47		47
13.0601 - Educational Evaluation and Research.	A program that focuses on the principles and procedures for generating information about educational programs, personnel and methods, and the analysis of such information for planning purposes. Includes instruction in evaluation theory, evaluation research design and planning, administering evaluations and related data collection activities, data reporting requirements, data analysis and interpretation, and related economic and policy issues.				75			75
13.0699 - Educational Assessment, Evaluation, and Research, Other.	Any instructional program in educational evaluation, research and statistics not listed above.					33		33
13.1001 - Special Education and Teaching, General.	A general program that focuses on the design and provision of teaching and other educational services to children or adults with special learning needs or disabilities, and that may prepare individuals to function as special education teachers. Includes instruction in diagnosing learning disabilities, developing individual education plans, teaching and supervising special education students, special education counseling, and applicable laws and policies.			47		295		342
13.1013 - Education/Teaching of Individuals with Autism.	A program that focuses on the design of educational services for children or adults with autism, and that prepares individuals to teach such students. Includes instruction in identifying students with autism, developing individual education plans, teaching and supervising autistic students, counseling, and applicable laws and policies.					24		24

Table 5: NDUS Graduate and Professional Enrollments by CIP and Institution

CIP Classification	CIP Program Description	DSU	MASU	MISU	NDSU	UND	VCSU	NDUS Total
13.1101 - Counselor Education/School Counseling and Guidance Services.	A program that prepares individuals to apply the theory and principles of guidance and counseling to the provision of support for the personal, social, educational, and vocational development of students, and the organizing of guidance services within elementary, middle and secondary educational institutions. Includes instruction in legal and professional requirements, therapeutic counselor intervention, vocational counseling, and related sociological and psychological foundations.				65	64		129
13.1202 - Elementary Education and Teaching.	A program that prepares individuals to teach students in the elementary grades, which may include kindergarten through grade eight, depending on the school system or state regulations. Includes preparation to teach all elementary education subject matter.					27		27
13.1205 - Secondary Education and Teaching.	A program that prepares individuals to teach students in the secondary grades, which may include grades seven through twelve, depending on the school system or state regulations. May include preparation to teach a comprehensive curriculum or specific subject matter.		5				10	15
13.1206 - Teacher Education, Multiple Levels.	A program that prepares individuals to teach students at more than one educational level, such as a combined program in elementary/secondary, early childhood/elementary, elementary/middle school, or junior high/high school teacher education.				33			33
13.1299 - Teacher Education and Professional Development, Specific Levels and Methods, Other.	Any instructional program in teacher education and professional development not listed above.					67		67
13.1301 - Agricultural Teacher Education.	A program that prepares individuals to teach vocational agricultural programs at various educational levels.				9			9
13.1308 - Family and Consumer Sciences/Home Economics Teacher Education.	A program that prepares individuals to teach vocational home economics programs at various educational levels.				12			12
13.1309 - Technology Teacher Education/Industrial Arts Teacher Education.	A program that prepares individuals to teach technology education/industrial arts programs at various educational levels.						127	127
13.1312 - Music Teacher Education.	A program that prepares individuals to teach music and music appreciation programs at various educational levels.			7		4		11
13.1315 - Reading Teacher Education.	A program that prepares individuals to diagnose reading difficulties and to teach reading programs at various educational levels.					29		29
13.1334 - School Librarian/School Library Media Specialist.	A program that prepares individuals to serve as librarians and media specialists in elementary and secondary schools as well as special instructional centers.						6	6
13.1399 - Teacher Education and Professional Development, Specific Subject Areas, Other.	Any instructional program in teacher education, specific academic and vocational programs not listed above.				1		1	2
13.1401 - Teaching English as a Second or Foreign Language/ESL Language Instructor.	A program that focuses on the principles and practice of teaching English to students who are not proficient in English or who do not speak, read or write English, and that may prepare individuals to function as teachers and administrators in such programs.					23	6	29
<b>14-ENGINEERING</b>					<b>295</b>	<b>131</b>		<b>426</b>
14.0101 - Engineering, General.	A program that generally prepares individuals to apply mathematical and scientific principles to solve a wide variety of practical problems in industry, social organization, public works, and commerce. Includes instruction in undifferentiated and individualized programs in engineering.				1	8		9

Table 5: NDUS Graduate and Professional Enrollments by CIP and Institution

CIP Classification	CIP Program Description	DSU	MASU	MISU	NDSU	UND	VCSU	NDUS Total
14.0301 - Agricultural Engineering.	A program that prepares individuals to apply mathematical and scientific principles to the design, development and operational evaluation of systems, equipment and facilities for production, processing, storage, handling, distribution and use of food, feed, and fiber. Includes applications to aquaculture, forestry, human and natural resources.				17			17
14.0501 - Bioengineering and Biomedical Engineering.	A program that prepares individuals to apply mathematical and scientific principles to the design, development and operational evaluation of biomedical and health systems and products such as integrated biomedical systems, instrumentation, medical information systems, artificial organs and prostheses, and health management and care delivery systems.					3		3
14.0701 - Chemical Engineering.	A program that prepares individuals to apply mathematical and scientific principles to the design, development and operational evaluation of systems employing chemical processes, such as chemical reactors, kinetic systems, electrochemical systems, energy conservation processes, heat and mass transfer systems, and separation processes; and the applied analysis of chemical problems such as corrosion, particle abrasion, energy loss, pollution, and fluid mechanics.					19		19
14.0801 - Civil Engineering, General.	A program that generally prepares individuals to apply mathematical and scientific principles to the design, development and operational evaluation of structural, load-bearing, material moving, transportation, water resource, and material control systems; and environmental safety measures.				39	17		56
14.0903 - Computer Software Engineering.	A program that prepares individuals to apply scientific and mathematical principles to the design, analysis, verification, validation, implementation, and maintenance of computer software systems using a variety of computer languages. Includes instruction in discrete mathematics, probability and statistics, computer science, managerial science, and applications to complex computer systems.				105			105
14.1001 - Electrical and Electronics Engineering	A program that prepares individuals to apply mathematical and scientific principles to the design, development and operational evaluation of electrical and electronic systems and their components, including electrical power generation systems; and the analysis of problems such as superconductor, wave propagation, energy storage and retrieval, and reception and amplification.				59	38		97
14.1401 - Environmental/Environmental Health Engineering.	A program that prepares individuals to apply mathematical and scientific principles to the design, development and operational evaluation of systems for controlling contained living environments and for monitoring and controlling factors in the external natural environment, including pollution control, waste and hazardous material disposal, health and safety protection, conservation, life support, and requirements for protection of special materials and related work environments.				3	4		7
14.1901 - Mechanical Engineering.	A program that prepares individuals to apply mathematical and scientific principles to the design, development and operational evaluation of physical systems used in manufacturing and end-product systems used for specific uses, including machine tools, jigs and other manufacturing equipment; stationary power units and appliances; engines; self-propelled vehicles; housings and containers; hydraulic and electric systems for controlling movement; and the integration of computers and remote control with operating systems.				26	25		51



Table 5: NDUS Graduate and Professional Enrollments by CIP and Institution

CIP Classification	CIP Program Description	DSU	MASU	MISU	NDSU	UND	VCSU	NDUS Total
14.2501 - Petroleum Engineering.	A program that prepares individuals to apply mathematical and scientific principles to the design, development and operational evaluation of systems for locating, extracting, processing and refining crude petroleum and natural gas, including prospecting instruments and equipment, mining and drilling systems, processing and refining systems and facilities, storage facilities, transportation systems, and related environmental and safety systems.					5		5
14.3301 - Construction Engineering.	A program that prepares individuals to apply scientific, mathematical, and management principles to the planning, design, and building of facilities and structures. Includes instruction in civil engineering, structural principles, site analysis, computer-assisted design, geology, evaluation and testing, materials, contracting, project management, graphic communications, and applicable laws and regulations.				24			24
14.3501 - Industrial Engineering.	A program that prepares individuals to apply scientific and mathematical principles to the design, improvement, and installation of integrated systems of people, material, information, and energy. Includes instruction in applied mathematics, physical sciences, the social sciences, engineering analysis, systems design, computer applications, and forecasting and evaluation methodology.				20			20
14.3601 - Manufacturing Engineering.	A program that prepares individuals to apply scientific and mathematical principles to the design, development, and implementation of manufacturing systems. Includes instruction in materials science and engineering, manufacturing processes, process engineering, assembly and product engineering, manufacturing systems design, and manufacturing competitiveness.				1			1
14.3901 - Geological/Geophysical Engineering.	A program that prepares individuals to apply mathematical and geological principles to the analysis and evaluation of engineering problems, including the geological evaluation of construction sites, the analysis of geological forces acting on structures and systems, the analysis of potential natural resource recovery sites, and applied research on geological phenomena.					5		5
14.9999 - Engineering, Other.	Any instructional program in engineering not listed above.					7		7
<b>15-ENGINEERING TECHNOLOGIES AND ENGINEERING RELATED FIELDS</b>						<b>6</b>		<b>6</b>
15.0612 - Industrial Technology/Technician.	A program that prepares individuals to apply basic engineering principles and technical skills in support of industrial engineers and managers. Includes instruction in optimization theory, human factors, organizational behavior, industrial processes, industrial planning procedures, computer applications, and report and presentation preparation.					6		6
<b>16-FOREIGN LANGUAGES, LITERATURES, AND LINGUISTICS</b>						<b>12</b>		<b>12</b>
16.0102 - Linguistics.	A program that focuses on language, language development, and relationships among languages and language groups from a humanistic and/or scientific perspective. Includes instruction in subjects such as psycholinguistics, behavioral linguistics, language acquisition, sociolinguistics, mathematical and computational linguistics, grammatical theory and theoretical linguistics, philosophical linguistics, philology and historical linguistics, comparative linguistics, phonetics, phonemics, dialectology, semantics, functional grammar and linguistics, language typology, lexicography, morphology and syntax, orthography, stylistics, structuralism, rhetoric, and applications to artificial intelligence.					12		12

Table 5: NDUS Graduate and Professional Enrollments by CIP and Institution

CIP Classification	CIP Program Description	DSU	MASU	MISU	NDSU	UND	VCSU	NDUS Total
<b>19-FAMILY AND CONSUMER SCIENCES/HUMAN SCIENCES</b>					<b>81</b>			<b>81</b>
19.0501 - Foods, Nutrition, and Wellness Studies, General.	A general program that focuses on the role of foods and nutrition in human health and wellness. Includes instruction in nutritional care and education, the planning and provision of food services, the development of consumable food products, life-span nutrition and wellness, the principles of nutritional assessment, and food safety and food composition.				49			49
19.0701 - Human Development and Family Studies, General.	A general program that focuses on basic human developmental and behavioral characteristics of the individual within the context of the family. Includes instruction in the conditions that influence human growth and development; strategies that promote growth and development across the life span; and the study of family systems.				20			20
19.0709 - Child Care Provider/Assistant.	A program that prepares individuals to be primary providers of home, family, residential, or institutional-based child care services. Includes instruction in child growth and development, nutrition, recreation, planning and supervision of play and learning activities, child abuse and neglect prevention, parent-child relationships, and applicable legal and administrative requirements.				1			1
19.0799 - Human Development, Family Studies, and Related Services, Other.	Any instructional program in human development, family studies, and related services not listed above.				3			3
19.0905 - Apparel and Textile Marketing Management.	A program that focuses on marketing research and management as applied to the products and services of the apparel and textile industries. Includes instruction in applicable principles of textile and apparel design and manufacturing, sales and distribution systems, domestic and international market research, profitability, consumer research, and the design and implementation of marketing campaigns.				8			8
<b>22-LEGAL PROFESSIONS AND STUDIES</b>						<b>230</b>		<b>230</b>
22.0101 - Law.	A program that prepares individuals for the independent professional practice of law, for taking state and national bar examinations, and for advanced research in jurisprudence. Includes instruction in the theory and practice of the legal system, including the statutory, administrative, and judicial components of civil and criminal law.					230		230
<b>23-ENGLISH LANGUAGE AND LITERATURE/LETTERS</b>					<b>36</b>	<b>33</b>		<b>69</b>
23.0101 - English Language and Literature, General.	A general program that focuses on the English language, including its history, structure and related communications skills; and the literature and culture of English-speaking peoples.				19	33		52
23.1304 - Rhetoric and Composition.	A program that focuses on the humanistic and scientific study of rhetoric, composition, literacy, and language/linguistic theories and their practical and pedagogical applications. Includes instruction in historical and contemporary rhetoric/composition theories; composition and criticism of written, visual, and mixed-media texts; analysis of literacy practices in cultural and cross-cultural contexts; and writing program administration.				17			17
<b>26-BIOLOGICAL AND BIOMEDICAL SCIENCES</b>					<b>183</b>	<b>70</b>		<b>253</b>
26.0101 - Biology/Biological Sciences, General.	A general program of biology at the introductory, basic level or a program in biology or the biological sciences that is undifferentiated as to title or content. Includes instruction in general biology and programs covering a variety of biological specializations.				8	23		31

Table 5: NDUS Graduate and Professional Enrollments by CIP and Institution

CIP Classification	CIP Program Description	DSU	MASU	MISU	NDSU	UND	VCSU	NDUS Total
26.0102 - Biomedical Sciences, General.	A general, program that focuses on the integrative scientific study of biological issues related to health and medicine, or a program in one or more of the biomedical sciences that is undifferentiated as to title. Includes instruction in any of the basic medical sciences at the research level; biological science research in biomedical faculties; and general studies encompassing a variety of the biomedical disciplines.					24		24
26.0202 - Biochemistry.	A program that focuses on the scientific study of the chemistry of living systems, their fundamental chemical substances and reactions, and their chemical pathways and information transfer systems, with particular reference to carbohydrates, proteins, lipids, and nucleic acids. Includes instruction in bio-organic chemistry, protein chemistry, bioanalytical chemistry, bioseparations, regulatory biochemistry, enzymology, hormonal chemistry, calorimetry, and research methods and equipment operation.				15	9		24
26.0301 - Botany/Plant Biology.	A program that focuses on the scientific study of plants, related microbial organisms, and plant habitats and ecosystem relations. Includes instruction in plant anatomy and structure, phytochemistry, cytology, plant genetics, plant morphology and physiology, plant ecology, plant taxonomy and systematics, paleobotany, and applications of biophysics and molecular biology.				1			1
26.0305 - Plant Pathology/Phytopathology.	A program that focuses on the scientific study of plant diseases and plant health, and the development of disease control mechanisms. Includes instruction in plant anatomy and physiology, pathogenesis, molecular plant virology, molecular genetics, bacterial epidemiology, causal agent identification, host/agent interactions, disease resistance and response mechanisms, developing plant disease treatments, disease prevention, and disease physiology and control.				48			48
26.0403 - Anatomy.	A program that focuses on the scientific study of organ systems, tissue structures, and whole bodies together with their cellular and structural components and dynamics. Includes instruction in cell biology and histology, structural biology, molecular mechanics, regional and gross anatomy, embryology, neuroanatomy, endocrinology and secretory dynamics, and applications to such topics as aging and disease conditions.					3		3
26.0406 - Cell/Cellular and Molecular Biology.	An integrated, combined program that focuses on the scientific study of cells, cellular systems, and the molecular basis of cell structure and function. Includes instruction in cell biology, cell chemistry, molecular biology, biophysics, and structural biology.				10			10
26.0502 - Microbiology, General.	A program that focuses on the scientific study of unicellular organisms and colonies, and subcellular genetic matter and their ecological interactions with human beings and other life. Includes instruction in microbial genetics, cell biology, cell physiology, virology, pathogenic microbiology, environmental microbiology, immunology, biostatistics, bioinformatics, and laboratory methods including microscopy.				3			3
26.0503 - Medical Microbiology and Bacteriology.	A program that focuses on the scientific study of pathogenic bacteria that are significant factors in causing or facilitating human disease. Includes instruction in the pathogenesis of bacterial diseases, bacterial genetics and physiology, bacterial anatomy and structure, antigens, bacterial reproduction, bacterial adhesion, phagocytes, and the identification of new or mutated bacteria and bacterial agents.					5		5
26.0701 - Zoology/Animal Biology.	A general program that focuses on the scientific study of the biology of animal species and phyla, with reference to their molecular and cellular systems, anatomy, physiology, and behavior. Includes instruction in molecular and cell biology, microbiology, anatomy and physiology, ecology and behavior, evolutionary biology, and applications to specific species and phyla.				18			18

Table 5: NDUS Graduate and Professional Enrollments by CIP and Institution

CIP Classification	CIP Program Description	DSU	MASU	MISU	NDSU	UND	VCSU	NDUS Total
26.0702 - Entomology.	A program that focuses on the scientific study of insect species and populations in respect of their life cycles, morphology, genetics, physiology, ecology, taxonomy, population dynamics, and environmental and economic impacts. Includes instruction in applicable biological and physical sciences as well as insect toxicology and the biochemical control of insect populations.				12			12
26.0807 - Genome Sciences/Genomics.	A program that focuses on the scientific study of whole genome sequences and patterns of gene expression. Includes instruction in molecular and cellular biology, genetics, protein technologies, genomic sciences and techniques, bioinformatics, and scientific and research ethics.				13			13
26.0910 - Pathology/Experimental Pathology.	A program that focuses on the scientific study of the expression, initiation, maintenance and progression of tissue injury and disease, including death, and the relationship of pathogenesis to fundamental molecular and cellular mechanisms. Includes instruction in immunology, microbiology, gene expression, inflammation, cell injury, apoptosis, immunopathology, molecular markers of disease and toxins, neoplasia, growth regulation, and organ- and system-specific investigations.				15			15
26.1001 - Pharmacology.	A program that focuses on the scientific study of drug interactions on biological systems and organisms and the sources, chemical properties, biological effects, and therapeutic uses of drugs. Includes instruction in pharmacodynamics, pharmacokinetics, toxicology, drug therapeutics, drug action, bodily responses to drug events, biochemical proliferation and differentiation, apoptosis, cell biology, medicinal chemistry, and studies of specific drugs and drug interactions.					6		6
26.1305 - Environmental Biology.	A program that focuses on the scientific study of the origins, functions, relationships, interactions, and natural history of living populations, communities, species, and ecosystems in relation to dynamic environmental processes. Includes instruction in biodiversity, molecular genetic and genomic evolution, mesoscale ecology, computational biology and modeling, conservation biology, local and global environmental change, and restoration ecology.				40			40
<b>27-MATHEMATICS AND STATISTICS</b>					<b>73</b>	<b>13</b>		<b>86</b>
27.0101 - Mathematics, General.	A general program that focuses on the analysis of quantities, magnitudes, forms, and their relationships, using symbolic logic and language. Includes instruction in algebra, calculus, functional analysis, geometry, number theory, logic, topology and other mathematical specializations.				32	13		45
27.0501 - Statistics, General.	A general program that focuses on the relationships between groups of measurements, and similarities and differences, using probability theory and techniques derived from it. Includes instruction in the principles in probability theory, binomial distribution, regression analysis, standard deviation, stochastic processes, Monte Carlo method, Bayesian statistics, non-parametric statistics, sampling theory, and statistical techniques.				41			41
<b>30-MULTI/INTERDISCIPLINARY STUDIES</b>					<b>2</b>			<b>2</b>
30.1101 - Gerontology.	A program that focuses on the human aging process and aged human populations, using the knowledge and methodologies of the social sciences, psychology and the biological and health sciences.				2			2

Table 5: NDUS Graduate and Professional Enrollments by CIP and Institution

CIP Classification	CIP Program Description	DSU	MASU	MISU	NDSU	UND	VCSU	NDUS Total
<b>31-PARKS, RECREATION, LEISURE, AND FITNESS STUDIES</b>						<b>24</b>		<b>24</b>
31.0505 - Kinesiology and Exercise Science.	A scientific program that focuses on the anatomy, physiology, biochemistry, and biophysics of human movement, and applications to exercise and therapeutic rehabilitation. Includes instruction in biomechanics, motor behavior, motor development and coordination, motor neurophysiology, performance research, rehabilitative therapies, the development of diagnostic and rehabilitative methods and equipment, and related analytical methods and procedures in applied exercise and therapeutic rehabilitation.					24		24
<b>40-PHYSICAL SCIENCES</b>						<b>94</b>	<b>100</b>	<b>194</b>
40.0401 - Atmospheric Sciences and Meteorology, General.	A general program that focuses on the scientific study of the composition and behavior of the atmospheric envelopes surrounding the earth, the effect of earth's atmosphere on terrestrial weather, and related problems of environment and climate. Includes instruction in atmospheric chemistry and physics, atmospheric dynamics, climatology and climate change, weather simulation, weather forecasting, climate modeling and mathematical theory; and studies of specific phenomena such as clouds, weather systems, storms, and precipitation patterns.					40		40
40.0501 - Chemistry, General.	A general program that focuses on the scientific study of the composition and behavior of matter, including its micro- and macro-structure, the processes of chemical change, and the theoretical description and laboratory simulation of these phenomena.				44	30		74
40.0507 - Polymer Chemistry.	A program that focuses on the scientific study of synthesized macromolecules and their interactions with other substances. Includes instruction in molecular bonding theory, polymerization, properties and behavior of unstable compounds, the development of tailored polymers, transition phenomena, and applications to specific industrial problems and technologies.				16			16
40.0601 - Geology/Earth Science, General.	A program that focuses on the scientific study of the earth; the forces acting upon it; and the behavior of the solids, liquids and gases comprising it. Includes instruction in historical geology, geomorphology, and sedimentology, the chemistry of rocks and soils, stratigraphy, mineralogy, petrology, geostatistics, volcanology, glaciology, geophysical principles, and applications to research and industrial problems.					19		19
40.0801 - Physics, General.	A general program that focuses on the scientific study of matter and energy, and the formulation and testing of the laws governing the behavior of the matter-energy continuum. Includes instruction in classical and modern physics, electricity and magnetism, thermodynamics, mechanics, wave properties, nuclear processes, relativity and quantum theory, quantitative methods, and laboratory methods.				16	11		27
40.1099 - Materials Sciences, Other.	Any instructional program in materials sciences not listed above.				18			18
<b>42-PSYCHOLOGY</b>						<b>21</b>	<b>39</b>	<b>230</b>
42.0101 - Psychology, General.	A general program that focuses on the scientific study of individual and collective behavior, the physical and environmental bases of behavior, and the analysis and treatment of behavior problems and disorders. Includes instruction in the principles of the various subfields of psychology, research methods, and psychological assessment and testing methods.				18	21		39

Table 5: NDUS Graduate and Professional Enrollments by CIP and Institution

CIP Classification	CIP Program Description	DSU	MASU	MISU	NDSU	UND	VCSU	NDUS Total
42.2703 - Developmental and Child Psychology.	A program that focuses on the scientific study of the psychological growth and development of individuals from infancy through adulthood. Includes instruction in cognitive and perceptual development, emotional development, personality development, the effects of biological maturation on behavior, theories of cognitive growth and related research methods, testing and assessment methods for different age levels, research on child and adolescent behavior therapy, and the psychology of aging.				11			11
42.2704 - Experimental Psychology.	A program that focuses on the scientific study of behavior under experimental conditions and the analysis of controlled behavioral responses. Includes instruction in learning theory, research design and experimental methods, psychological measurement, statistical design and methods, analysis of cognitive and behavioral variables, and the conduct of specialized and large-scale studies.				10			10
42.2801 - Clinical Psychology.	A program that prepares individuals for the independent professional practice of clinical psychology, involving the analysis, diagnosis, and clinical treatment of psychological disorders and behavioral pathologies. Includes instruction in clinical assessment and diagnosis, personality appraisal, psychopathology, clinical psychopharmacology, behavior modification, therapeutic intervention skills, patient interviewing, personalized and group therapy, child and adolescent therapy, cognitive and behavioral therapy, supervised clinical practice, ethical standards, and applicable regulations.					28		28
42.2803 - Counseling Psychology.	A program that prepares individuals for the independent professional practice of psychological counseling, involving the rendering of therapeutic services to individuals and groups experiencing psychological problems and exhibiting distress symptoms. Includes instruction in counseling theory, therapeutic intervention strategies, patient/counselor relationships, testing and assessment methods and procedures, group therapy, marital and family therapy, child and adolescent therapy, supervised counseling practice, ethical standards, and applicable regulations.					30		30
42.2805 - School Psychology.	A program that prepares individuals to apply clinical and counseling psychology principles to the diagnosis and treatment of student behavioral problems. Includes instruction in child and/or adolescent development; learning theory; testing, observation and other procedures for assessing educational, personality, intelligence and motor skill development; therapeutic intervention strategies for students and families; identification and classification of disabilities and disorders affecting learning; school psychological services planning; supervised counseling practice; ethical standards; and applicable regulations.				21			21
42.2812 - Forensic Psychology.	A program that prepares individuals to apply clinical, counseling, school, and neuropsychology skills to the provision of psychological services within the criminal justice and civil legal systems, including consultation, assessment, and interventions. Includes instruction in the epidemiology of mental/behavioral disorders, risk factors for violence and criminality, profiling and patterning, psychological testing, prediction and intervention measurement, forensic assessment, criminal and civil law and procedures, secure environments, forensic treatment and intervention skills, and professional standards and ethics.					91		91

Table 5: NDUS Graduate and Professional Enrollments by CIP and Institution

CIP Classification	CIP Program Description	DSU	MASU	MISU	NDSU	UND	VCSU	NDUS Total
<b>43-HOMELAND SECURITY, LAW ENFORCEMENT, FIREFIGHTING AND RELATED PROTECTIVE SERVICES</b>					<b>3</b>	<b>26</b>	<b>18</b>	<b>47</b>
43.0104 - Criminal Justice/Safety Studies.	A program that focuses on the criminal justice system, its organizational components and processes, and its legal and public policy contexts. Includes instruction in criminal law and policy, police and correctional systems organization, the administration of justice and the judiciary, and public attitudes regarding criminal justice issues.			3	18	18		39
43.0302 - Crisis/Emergency/Disaster Management.	A program focusing on the application of the incident command system model to formulating and implementing effective response to natural and man-made disasters. Includes instruction in contingency planning, hazard and risk assessment, joint operations, law and ethics, emergency response and recovery, event mitigation, emergency rescue and medical operations, incident command, terrorism and national security issues, law enforcement, relief administration, volunteer and citizen coordination, public relations and applications to specific types of incidents.				8			8
<b>44-PUBLIC ADMINISTRATION AND SOCIAL SERVICE PROFESSIONS</b>							<b>206</b>	<b>206</b>
44.0401 - Public Administration.	A program that prepares individuals to serve as managers in the executive arm of local, state, and federal government and that focuses on the systematic study of executive organization and management. Includes instruction in the roles, development, and principles of public administration; the management of public policy; executive-legislative relations; public budgetary processes and financial management; administrative law; public personnel management; professional ethics; and research methods.					32		32
44.0501 - Public Policy Analysis, General.	A program that focuses on the systematic analysis of public policy issues and decision processes. Includes instruction in the role of economic and political factors in public decision-making and policy formulation, microeconomic analysis of policy issues, resource allocation and decision modeling, cost/benefit analysis, statistical methods, and applications to specific public policy topics.					2		2
44.0701 - Social Work.	A program that prepares individuals for the professional practice of social welfare administration and counseling, and that focus on the study of organized means of providing basic support services for vulnerable individuals and groups. Includes instruction in social welfare policy; case work planning; social counseling and intervention strategies; administrative procedures and regulations; and specific applications in areas such as child welfare and family services, probation, employment services, and disability counseling.						172	172
<b>45-SOCIAL SCIENCES</b>							<b>25</b>	<b>111</b>
45.0201 - Anthropology.	A program that focuses on the systematic study of human beings, their antecedents and related primates, and their cultural behavior and institutions, in comparative perspective. Includes instruction in biological/physical anthropology, primatology, human paleontology and prehistoric archeology, hominid evolution, anthropological linguistics, ethnography, ethnology, ethnohistory, socio-cultural anthropology, psychological anthropology, research methods, and applications to areas such as medicine, forensic pathology, museum studies, and international affairs.				6			6
45.0603 - Econometrics and Quantitative Economics.	A program that focuses on the systematic study of mathematical and statistical analysis of economic phenomena and problems. Includes instruction in economic statistics, optimization theory, cost/benefit analysis, price theory, economic modeling, and economic forecasting and evaluation.						66	66

Table 5: NDUS Graduate and Professional Enrollments by CIP and Institution

CIP Classification	CIP Program Description	DSU	MASU	MISU	NDSU	UND	VCSU	NDUS Total
45.0604 - Development Economics and International Development.	A program that focuses on the systematic study of the economic development process and its application to the problems of specific countries and regions. Includes instruction in economic development theory, industrialization, land reform, infrastructural development, investment policy, the role of governments and business in development, international development organizations, and the study of social, health, and environmental influences on economic development.				5			5
45.0701 - Geography.	A program that focuses on the systematic study of the spatial distribution and interrelationships of people, natural resources, plant and animal life. Includes instruction in historical and political geography, cultural geography, economic and physical geography, regional science, cartographic methods, remote sensing, spatial analysis, and applications to areas such as land-use planning, development studies, and analyses of specific countries, regions, and resources.					37		37
45.1101 - Sociology.	A program that focuses on the systematic study of human social institutions and social relationships. Includes instruction in social theory, sociological research methods, social organization and structure, social stratification and hierarchies, dynamics of social change, family structures, social deviance and control, and applications to the study of specific social groups, social institutions, and social problems.				14	8		22
<b>49-TRANSPORTATION AND MATERIALS MOVING</b>					<b>11</b>	<b>159</b>		<b>170</b>
49.0101 - Aeronautics/Aviation/Aerospace Science and Technology, General.	A program that focuses on the general study of aviation and the aviation industry, including in-flight and ground support operations. Includes instruction in the technical, business, and general aspects of air transportation systems.					36		36
49.0199 - Air Transportation, Other.	Any instructional program in aviation and air transportation services not listed above.					123		123
49.9999 - Transportation and Materials Moving, Other.	Any instructional program in transportation and materials moving not listed above.				11			11
<b>50-VISUAL AND PERFORMING ARTS</b>					<b>32</b>	<b>19</b>		<b>51</b>
50.0501 - Drama and Dramatics/Theatre Arts, General.	A program that focuses on the general study of dramatic works and their performance. Includes instruction in major works of dramatic literature, dramatic styles and types, and the principles of organizing and producing full live or filmed productions.					1		1
50.0701 - Art/Art Studies, General.	A general program that focuses on the introductory study and appreciation of the visual arts. Includes instruction in art, photography, and other visual communications media.					14		14
50.0901 - Music, General.	A general program that focuses on the introductory study and appreciation of music and the performing arts. Includes instruction in music, dance, and other performing arts media.				32	4		36
<b>51-HEALTH PROFESSIONS AND RELATED PROGRAMS</b>					<b>36</b>	<b>501</b>	<b>956</b>	<b>1493</b>
51.0201 - Communication Sciences and Disorders, General.	A program that focuses on the application of biomedical, psychological, and physical principles to the study of the scientific bases, development, and treatment of speech, language, hearing, and cognitive communication problems caused by disease, injury, or disability. Includes instruction in language science, hearing science, speech and voice science, biology of communication, behavioral linguistics, psychology, and applications to the development of diagnostic and rehabilitative strategies and technologies.			36		39		75



Table 5: NDUS Graduate and Professional Enrollments by CIP and Institution

CIP Classification	CIP Program Description	DSU	MASU	MISU	NDSU	UND	VCSU	NDUS Total
51.0701 - Health/Health Care Administration/Management.	A program that prepares individuals to develop, plan, and manage health care operations and services within health care facilities and across health care systems. Includes instruction in planning, business management, financial management, public relations, human resources management, health care systems operation and management, health care resource allocation and policy making, health law and regulations, and applications to specific types of health care services.					3		3
51.0912 - Physician Assistant.	A program that prepares individuals to practice medicine, including diagnoses and treatment therapies, under the supervision of a physician. Includes instruction in the basic medical and clinical sciences and specialized preparation in fields such as family medicine, pediatrics, obstetrics, gynecology, general surgery, psychiatry, and behavioral medicine; the delivery of health care services to homebound patients, rural populations, and underserved populations; and community health services.					65		65
51.0913 - Athletic Training/Trainer.	A program that prepares individuals to work in consultation with, and under the supervision of physicians to prevent and treat sports injuries and associated conditions. Includes instruction in the identification, evaluation, and treatment of athletic injuries and illnesses; first aid and emergency care; therapeutic exercise; anatomy and physiology; exercise physiology; kinesiology and biomechanics; nutrition; sports psychology; personal and community health; knowledge of various sports and their biomechanical and physiological demands; and applicable professional standards and regulations.				29			29
51.1005 - Clinical Laboratory Science/Medical Technology/Technologist.	A program that prepares individuals to conduct and supervise complex medical tests, clinical trials, and research experiments; manage clinical laboratories; and consult with physicians and clinical researchers on diagnoses, disease causation and spread, and research outcomes. Includes instruction in the theory and practice of hematology, clinical chemistry, microbiology, immunology, immunohematology, physiological relationships to test results, laboratory procedures and quality assurance controls, test and research design and implementation, analytic techniques, laboratory management, data development and reporting, medical informatics, and professional standards and regulations.					48		48
51.1201 - Medicine.	A program that prepares individuals for the independent professional practice of medicine, involving the prevention, diagnosis, and treatment of illnesses, injuries, and other disorders of the human body. Includes instruction in the basic medical sciences, clinical medicine, examination and diagnosis, patient communications, medical ethics and law, professional standards, and rotations in specialties such as internal medicine, surgery, pediatrics, obstetrics and gynecology, orthopedics, neurology, ophthalmology, radiology, clinical pathology, anesthesiology, family medicine, and psychiatry.					291		291
51.1401 - Medical Scientist.	An undifferentiated clinical science program that prepares clinicians to conduct clinical and translational research in various areas. Note: programs that prepare clinicians to conduct research in specific scientific fields should report under the relevant CIP code series (e.g., Series 26 Biological and Biomedical Sciences).					3		3

Table 5: NDUS Graduate and Professional Enrollments by CIP and Institution

CIP Classification	CIP Program Description	DSU	MASU	MISU	NDSU	UND	VCSU	NDUS Total
51.1505 - Marriage and Family Therapy/Counseling.	A program that prepares individuals for the independent professional practice of marriage and family therapy, involving the diagnosis of cognitive, affective, and behavioral domain disorders, both mental and emotional, within the context of marriage and family systems and the application of short- and long-term therapeutic strategies in family group contexts. Includes instruction in psychotherapy, family systems and studies, small group intervention and therapy, marital problems, depression, identification of psychopathologies and behavioral disorders, holistic health care, practice management, applicable regulations, and professional standards and ethics.				4			4
51.2001 - Pharmacy.	A program that prepares individuals for the independent or employed practice of preparing and dispensing drugs and medications in consultation with prescribing physicians and other health care professionals, and for managing pharmacy practices and counseling patients. Includes instruction in mathematics, physics, chemistry, biochemistry, anatomy, physiology, pharmacology, pharmaceutical chemistry, pharmacognosy, pharmacy practice, pharmacy administration, applicable regulations, and professional standards and ethics.				340			340
51.2010 - Pharmaceutical Sciences.	A program that focuses on the basic sciences that underlie drugs and drug therapy and that prepares individuals for further study and/or careers in pharmaceutical science and research, pharmaceutical administration and sales, biotechnology, drug manufacturing, regulatory affairs, and related fields. Includes instruction in mathematics, biology, chemistry, physics, statistics, pharmaceuticals, pharmacology and toxicology, dosage formulation, manufacturing, quality assurance, and regulations.				23			23
51.2201 - Public Health, General.	A program that generally prepares individuals to plan, manage, and evaluate public health care services; to function as public health professionals in public agencies, the private sector, and other settings; and to provide leadership in the field of public health. Includes instruction in epidemiology, biostatistics, public health principles, preventive medicine, health policy and regulations, health care services and related administrative functions, public health law enforcement, health economics and budgeting, public communications, and professional standards and ethics.				52	27		79
51.2306 - Occupational Therapy/Therapist.	A program that prepares individuals to assist patients limited by physical, cognitive, psychosocial, mental, developmental, and learning disabilities, as well as adverse environmental conditions, to maximize their independence and maintain optimum health through a planned mix of acquired skills, performance motivation, environmental adaptations, assistive technologies, and physical agents. Includes instruction in the basic medical sciences, psychology, sociology, patient assessment and evaluation, standardized and non-standardized tests and measurements, assistive and rehabilitative technologies, ergonomics, environmental health, special education, vocational counseling, health education and promotion, and professional standards and ethics.					62		62

Table 5: NDUS Graduate and Professional Enrollments by CIP and Institution

CIP Classification	CIP Program Description	DSU	MASU	MISU	NDSU	UND	VCSU	NDUS Total
51.2308 - Physical Therapy/Therapist.	A program that prepares individuals to alleviate physical and functional impairments and limitations caused by injury or disease through the design and implementation of therapeutic interventions to promote fitness and health. Includes instruction in functional anatomy and physiology, kinesiology, neuroscience, pathological physiology, analysis of dysfunction, movement dynamics, physical growth process, management of musculoskeletal disorders, clinical evaluation and measurement, client assessment and supervision, care plan development and documentation, physical therapy modalities, rehabilitation psychology, physical therapy administration, and professional standards and ethics.					152		152
51.3101 - Dietetics/Dietitian.	A program that prepares individuals to integrate and apply the principles of the food and nutrition sciences, human behavior, and the biomedical sciences to design and manage effective nutrition programs in a variety of settings. Includes instruction in human nutrition; nutrient metabolism; the role of foods and nutrition in health promotion and disease prevention; planning and directing food service activities; diet and nutrition analysis and planning; supervision of food storage and preparation; client education; and professional standards and regulations.				5			5
51.3102 - Clinical Nutrition/Nutritionist.	A program that prepares individuals to apply the principles of dietetics and the biomedical and nutrition sciences to design and manage effective nutrition programs as part of clinical treatment and therapy programs, and to manage health care facility food services. Includes instruction in human nutrition, nutrient metabolism, the role of foods and nutrition in health promotion and disease prevention, nutrition as a treatment regime, planning and directing hospital food service programs, diet and nutrition analysis and planning, supervision of food storage and preparation, special diets, client education, and professional standards and regulations.					12		12
51.3801 - Registered Nursing/Registered Nurse.	A program that generally prepares individuals in the knowledge, techniques and procedures for promoting health, providing care for sick, disabled, infirmed, or other individuals or groups. Includes instruction in the administration of medication and treatments, assisting a physician during treatments and examinations, Referring patients to physicians and other health care specialists, and planning education for health maintenance.				1	240		241
51.3805 - Family Practice Nurse/Nursing.	A program that prepares registered nurses to provide independent general care for family groups and individuals in the context of family living. Includes instruction in family theory and intervention, role synthesis, family primary care, nursing practice and health care policy, holistic practice, pediatric practice, gerontological practice, health assessment, clinical pharmacotherapeutics, clinical techniques, and pathopsychology.				47	3		50
51.3810 - Psychiatric/Mental Health Nurse/Nursing.	A program that prepares registered nurses to promote mental health and provide nursing care to patients with mental, emotional or behavioral disorders, in mental institutions or other settings. Includes instruction in psychopathology, behavioral health, counseling and intervention strategies, psychoeducation, mental health assessment and dual diagnosis, stabilization and management of psychotic illness, psychiatric care and rehabilitation, substance abuse, and crisis intervention.					1		1
51.3818 - Nursing Practice.	A practice-focused program that prepares registered nurses for increasingly complex evidence-based nursing practice, including translating research into practice, evaluating evidence, applying research in decision-making, and implementing viable clinical innovations to change practice. Includes instruction in healthcare delivery systems, health economics and finance, health policy, research methods, translating evidence into practice, concepts in population health, and nursing leadership.					10		10

Table 5: NDUS Graduate and Professional Enrollments by CIP and Institution

CIP Classification	CIP Program Description	DSU	MASU	MISU	NDSU	UND	VCSU	NDUS Total
<b>52-BUSINESS, MANAGEMENT, MARKETING, AND RELATED SUPPORT SERVICES</b>				<b>113</b>	<b>151</b>	<b>90</b>		<b>354</b>
52.0201 - Business Administration and Management, General.	A program that generally prepares individuals to plan, organize, direct, and control the functions and processes of a firm or organization. Includes instruction in management theory, human resources management and behavior, accounting and other quantitative methods, purchasing and logistics, organization and production, marketing, and business decision-making.			63	66	89		218
52.0209 - Transportation/Mobility Management.	A program that prepares individuals to plan, administer, and coordinate physical transportation operations, networks, and systems. Includes instruction in transportation systems and technologies; traffic logistics and engineering; multi- and intermodal transportation systems; regional integration; facilities design and construction; transportation planning and finance; demand analysis and forecasting; carrier management; behavioral issues; transportation policy and law; intelligent systems; and applications to aviation, maritime, rail, and highway facilities and systems.				45			45
52.0399 - Accounting and Related Services, Other.	Any instructional program in accounting not listed above.				23			23
52.0701 - Entrepreneurship/Entrepreneurial Studies.	A program that generally prepares individuals to perform development, marketing and management functions associated with owning and operating a business.					1		1
52.0804 - Financial Planning and Services.	A program that prepares individuals to plan and manage the financial interests and growth of individuals and institutions. Includes instruction in portfolio management, investment management, estate planning, insurance, tax planning, strategic investing and planning, financial consulting services, and client relations.				2			2
52.1201 - Management Information Systems, General.	A program that generally prepares individuals to provide and manage data systems and related facilities for processing and retrieving internal business information; select systems and train personnel; and respond to external data requests. Includes instruction in cost and accounting information systems, management control systems, personnel information systems, data storage and security, business systems networking, report preparation, computer facilities and equipment operation and maintenance, operator supervision and training, and management information systems policy and planning.			50				50
52.2001 - Construction Management.	A program that prepares individuals to manage, coordinate, and supervise the construction process from concept development through project completion on timely and economic bases. Includes instruction in commercial, residential, mechanical, highway/heavy civil, electrical, environmental, industrial, and specialty construction; facilities management; project planning; budgeting and cost control; logistics and materials management; personnel management and labor relations; site safety; construction contracting; construction processes and techniques; organization and scheduling; and applicable codes and regulations.				15			15
<b>54-HISTORY</b>						<b>32</b>	<b>23</b>	<b>55</b>
54.0101 - History, General.	A program that focuses on the general study and interpretation of the past, including the gathering, recording, synthesizing and criticizing of evidence and theories about past events. Includes instruction in historiography; historical research methods; studies of specific periods, issues and cultures; and applications to areas such as historic preservation, public policy, and records administration.				32	23		55
<b>99-NON DEGREE</b>		<b>5</b>	<b>17</b>	<b>7</b>	<b>145</b>	<b>158</b>	<b>7</b>	<b>339</b>
99.9999 - Non Degree	Non-Degree	5	17	7	145	158	7	339