



BISMARCK
STATE COLLEGE

North Dakota's
Polytechnic Institution

FUNDING THE BSC POLYTECHNIC MISSION

North Dakota's Polytechnic Institution



BISMARCK
STATE COLLEGE

North Dakota's
Polytechnic Institution

ND's Polytechnic Institution educational model

- Engages student in hands-on applied learning to develop workforce-ready knowledge, skills and degrees
- Incorporates knowledge and skillsets driven by private industry to develop a future, high-demand workforce (BILT)
- Combines multiple academic programs embedded with industry-recognized, stackable credentials
- Creates customized, locally-driven career pathways to meet student and industry needs

North Dakota's Polytechnic Institution



BISMARCK
STATE COLLEGE

North Dakota's
Polytechnic Institution

SBHE authorized Bismarck State College to pursue this expanded Polytechnic mission without adequate funds



BISMARCK
STATE COLLEGE

North Dakota's
Polytechnic Institution

BSC Polytechnic Mission Expansion

2018 — BSC Polytechnic Mission Approval

2019

2020 — President Jensen Joins BSC

2021

2022 — BSC Polytechnic Offerings

GOVERNANCE & ACCREDITATION	PROGRAMS	INFRASTRUCTURE
NDUS SBHE HLC	New Certificates New A.A.S Degrees New B.A.S. Degrees	Staffing Processes Equipment Facility Modifications New Facilities
	Program Curriculum	Feasibility Plan/Study

Communicate



BISMARCK
STATE COLLEGE

**North Dakota's
Polytechnic Institution**

Polytechnic Mission: Locally Driven

BSC engaged National Coalition of Advanced Technology Centers (NCATC) to assess readiness to pursue expanded Polytechnic mission

- NCATC engages 17 local stakeholder groups in a collaborative conversation and fact finding
K-12, Marketing and Recruitment, Local Government and Economic Leaders, State Government, TrainND, BSC Faculty, BSC Students, Manufacturing, Energy, Cyber, Health Science, Agriculture, STEAM Stakeholders, Executive Team, Leadership Team, Polytechnic Working Group, and Futurist Group.
- NCATC Study is the foundation of the Strategic Plan for the role out of the BSC Polytechnic expanded mission
Strategic Plan includes organizational structure, Business and Industry Leadership Teams (BILT), operational, programming, equipment, and facility needs

North Dakota's Polytechnic Institution



BISMARCK
STATE COLLEGE

**North Dakota's
Polytechnic Institution**

Polytechnic Mission: Locally Driven

Gray & Associates Economic Environmental Scan and Competitive Analysis Study

- Study provided guidance on emerging and future educational needs to develop a robust talent development system for High Priority Occupations (HPOs)

Mechatronics/Robotics/Automation Engineering

Health Care Admin/Management

Business Admin and Management

Other Engineering and Digital Disciplines

Computer Science

Registered Nursing

Logistics/Materials/Supply Chain Management



BISMARCK
STATE COLLEGE

North Dakota's
Polytechnic Institution

Funding BSC's Polytechnic Mission

- Each new polytechnic academic program requires an *upfront* startup investment
 - Faculty with industry experience
 - Curriculum and content development
 - Instructional and lab supplies
 - Specialized equipment
 - Marketing new student populations
 - Recruitment and partnership development



BISMARCK
STATE COLLEGE

North Dakota's
Polytechnic Institution

4-Year Delay in State Funding

- Polytechnic programs started in Fall 2022 will not be included for state funding until FY 2026 – 2027 biennium
- Operating on student tuition only
 - Does not cover direct program operational cost
 - Does not allow for any additional student services support cost
 - Does not cover curriculum development
 - Does not cover specialized equipment



BISMARCK
STATE COLLEGE

**North Dakota's
Polytechnic Institution**

Institution	Total Raw SCH	Weighted Credits	Credit Completion Factor	Adjusted WSCH	2021-23 Base Funding Per Credit Hour	One-time Payment	2021-2023 Appropriation	2019-2021 Appropriation	\$ Change from 2019-21	% Change from 2019-21
BSC	143,405	296,335	1.1	325,969	\$98.84	\$0	\$32,084,055	\$31,068,227	\$1,015,828	3.27%
DCB	29,618	53,610	1.8	96,498	\$98.84	\$0	\$9,537,862	\$7,740,826	\$1,797,036	23.22%
LRSC	59,895	96,062	1.5	144,093	\$98.84	\$0	\$14,242,152	\$12,945,280	\$1,296,872	10.02%
NDSCS	116,370	274,170	1.3	356,421	\$98.84	\$486,119	\$35,714,792	\$36,542,022	(\$827,230)	-2.26%
WSC	38,699	67,172	1.7	114,192	\$98.84	\$0	\$11,286,737	\$10,067,743	\$1,218,994	12.11%
DSU	60,655	145,954	1.5	218,604	\$92.60	\$0	\$20,242,730	\$18,393,063	\$1,849,667	10.06%
MASU	47,623	126,079	1.6	201,726	\$92.60	\$0	\$18,679,828	\$16,420,616	\$2,259,212	13.76%
MISU	139,042	404,542	1.1	444,996	\$92.60	\$0	\$41,206,630	\$39,896,693	\$1,309,937	3.28%
VCSU	64,159	175,334	1.5	260,922	\$92.60	\$0	\$24,161,377	\$22,658,933	\$1,502,444	6.63%
NDSU	693,495	2,241,649	1.0	2,241,649	\$61.81	\$0	\$138,556,325	\$132,714,983	\$5,841,342	4.40%
UND	670,553	3,371,201	1.0	3,371,201	\$61.81	\$0	\$208,373,934	\$202,539,508	\$5,834,426	2.88%
Total	2,063,514	7,252,108		7,776,271		\$486,119	\$554,086,422	\$530,987,894	\$23,098,528	4.35%

– \$9,122,575

BSC is the 3rd largest institution in the NDUS and receives less in state funding than other institutions with the same credit load.



BISMARCK
STATE COLLEGE

North Dakota's
Polytechnic Institution

Polytechnic Infrastructure

- Non-traditional academic, collaborative learning spaces
 - Flexible, adaptive and configurable instructional spaces
 - Supports project-based learning and multidisciplinary activities





Questions/ Comments?

