FUNDING THE BSC POLYTECHNIC MISSION
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
SBHE authorized Bismarck State College to pursue this expanded Polytechnic mission without adequate funds
<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018</td>
<td>BSC Polytechnic Mission Approval</td>
</tr>
<tr>
<td>2019</td>
<td>President Jensen Joins BSC</td>
</tr>
<tr>
<td>2020</td>
<td>BSC Polytechnic Offerings</td>
</tr>
</tbody>
</table>

### GOVERNANCE & ACCREDITATION
- NDUS
- SBHE
- HLC

### PROGRAMS
- New Certificates
- New A.A.S Degrees
- New B.A.S. Degrees

### INFRASTRUCTURE
- Staffing
- Processes
- Equipment
- Facility Modifications
- New Facilities

### 2021
- Program Curriculum

### 2022
- Feasibility Plan/Study
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:

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

<table>
<thead>
<tr>
<th>Institution</th>
<th>Total Raw SCH</th>
<th>Weighted Credits</th>
<th>Credit Completion Factor</th>
<th>Adjusted WSCCH</th>
<th>2021-23 Base Funding Per Credit Hour</th>
<th>One-time Payment</th>
<th>2021-2023 Appropriation</th>
<th>2019-2021 Appropriation</th>
<th>$ Change from 2019-21</th>
<th>% Change from 2019-21</th>
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<tbody>
<tr>
<td>BSC</td>
<td>145,405</td>
<td>295,335</td>
<td>1.1</td>
<td>329,596</td>
<td>$98.84</td>
<td>$0</td>
<td>$32,084,055</td>
<td>$31,068,227</td>
<td>$1,015,828</td>
<td>3.27%</td>
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<tr>
<td>DCB</td>
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<td>53,610</td>
<td>1.8</td>
<td>96,498</td>
<td>$98.84</td>
<td>$0</td>
<td>$9,537,862</td>
<td>$7,740,826</td>
<td>$1,797,036</td>
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<tr>
<td>LRSC</td>
<td>59,895</td>
<td>96,062</td>
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<td>144,093</td>
<td>$98.84</td>
<td>$0</td>
<td>$14,242,152</td>
<td>$12,945,280</td>
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<td>NDSCS</td>
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<td>274,170</td>
<td>1.3</td>
<td>356,421</td>
<td>$98.84</td>
<td>$486,119</td>
<td>$35,714,792</td>
<td>$36,542,022</td>
<td>($827,230)</td>
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<td>WSC</td>
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<td>114,192</td>
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<td>$0</td>
<td>$11,286,737</td>
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<td>DSU</td>
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<td>218,604</td>
<td>$92.60</td>
<td>$0</td>
<td>$20,242,730</td>
<td>$18,393,063</td>
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<td>MASU</td>
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<td>201,726</td>
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<td>$0</td>
<td>$24,161,377</td>
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<td>3,371,201</td>
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<td>7,776,271</td>
<td>$486,119</td>
<td>$554,086,422</td>
<td>$530,987,894</td>
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<td>4.35%</td>
<td>- $9,122,575</td>
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Polytechnic Infrastructure

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