South Dakota Board of Regents

2019
House Education Committee
Senate Education Committee
Stewardship of Public Higher Education in South Dakota
The South Dakota Board of Regents’ mission is to provide an excellent, efficient, accessible, equitable, and affordable public university and special schools system

- that improves South Dakota’s overall educational attainment and research productivity,

- while enriching the intellectual, economic, civic, social, and cultural life of the state, its residents, and its communities.
Organizational Structure

Board of Regents (SDBOR)

Executive Director

SDBOR Staff

University & Special School Presidents/Superintendents

Faculty and Staff of:
Black Hills State University
Dakota State University
Northern State University
South Dakota School of Mines & Technology
South Dakota State University
University of South Dakota
South Dakota School for the Blind & Visually Impaired
South Dakota School for the Deaf
System Map

[Map of South Dakota showing various locations and universities, including Spearfish, Rapid City, Pierre, Aberdeen, Brookings, Madison, Vermillion, and others.]
Higher Education in South Dakota

ECONOMIC ENGINE
Higher Education in South Dakota

- Attracts and generates income
- Draws new and expanded business
- Enhances individual wealth
2016 Study: Economic Impact of the South Dakota Public University System

- $2.66 billion in annual economic impact generated by South Dakota public universities.
  - From state’s investment of $197 million (FY16)
- $162 million in sales and property tax
- 5,628 full-time jobs at SD public universities.
- 21,950 jobs created in support of SD public universities.
Draws New and Expanded Business

• New Industries & High Paying Jobs
• Educated Workforce
• Supports Strong Families
• Business Expertise
• Research Partnerships
Enhances Individual Wealth

Median Annual Earnings By Education Level


Strengthening South Dakota:
Economic, Social, and Human Capital

Higher state revenue

Less welfare

Better health and retirement

Less crime

More charitable giving

Increased voter participation and civic engagement


65 Percent by 2025

• Goal is based on projections that roughly 65 percent of all jobs in South Dakota will require some level of postsecondary education by 2020.
  ▪ Data from Georgetown University Public Policy Institute’s Center on Education and the Workforce.
• 65% goal was adopted by Board of Regents, Department of Education, and the South Dakota Workforce Development Council.
Degrees Awarded in the State

Post Secondary Degrees Awarded in South Dakota
(associate, bachelor's, graduate degrees)

- Public Universities: 59%
- Technical Institutes: 21%
- Private Institutions: 13%
- Proprietary Institutions: 2%
- Tribal Institutions: 5%
Board of Regents’ Goals

• **Student Success**
  - Increase degree production
Programs Fostering On-Time Completion

- Reduce credit-hour graduation requirement from 128 to 120
- ‘15-to-Finish’ or ‘Finish in Four’ models
- Exploratory Studies → reduce ‘catalog wandering’
- Co-requisite remediation models
- Redesign general education and transfer framework
Improving System Completion

19% Increase in Total Graduates Since FY11

Source: BOR Fact Book FY19
Improving System Completion

Graduation Rates

- 2002 Cohort:
  - 4-year graduation rate: 16
  - 6-year graduation rate: 44.7

- 2007 Cohort:
  - 4-year graduation rate: 24.2
  - 6-year graduation rate: 51.6

- 2012 Cohort:
  - 4-year graduation rate: 31.7
  - 6-year graduation rate: 52.4
Dual Credit Enrollments

HSDC Enrollments by Semester Type

Source: BOR Fact Book FY19
Math Pathways Project

Failure to pass College Algebra is one of the top barriers to student completion.

• Eliminate College Algebra as the default general education math course.

• Create a new general education course in Quantitative Literacy for majors that do not require Algebra or Calculus.

• Move students needing remediation into corequisite courses – courses for credit with additional student support.
Projected Growth in High School Graduates 2019-2032

Estimated
SD HS Grads 2019: 8,522
SD HS Grads 2032: 10,000

Board of Regents’ Goals

• Academic Quality and Performance
  ▪ Document that academic programs are of the highest quality.
Responsive Academic Programming

- Rigorous approval process for new programs
  - Initial Intent-to-Plan request
  - Formal program approval

Board Review & Approval

System Review
(Board Staff, System Provosts/Presidents, Consultants)

Campus Review
(Faculty, Departments, Committees, Industry Representatives)
New and Terminated Programs

<table>
<thead>
<tr>
<th>Last 3 Years</th>
<th>Added</th>
<th>Terminated</th>
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<tbody>
<tr>
<td>Minors</td>
<td>32</td>
<td>8</td>
</tr>
<tr>
<td>Associate Degrees</td>
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<td>8</td>
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<tr>
<td>Bachelor’s Degrees</td>
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<td>22</td>
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<tr>
<td>Graduate Degrees</td>
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<td>7</td>
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</tbody>
</table>

Examples of New Majors: Precision Agriculture, Data Science, Cyber Leadership & Intelligence, Biomedical Engineering
Filling the Workforce Pipeline

Preparing South Dakotans for Tomorrow’s Workforce

FY 2018
Degrees from SD Public Universities

<table>
<thead>
<tr>
<th>Discipline</th>
<th>Degrees</th>
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</thead>
<tbody>
<tr>
<td>Graduate &amp; Prof</td>
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<tr>
<td>Health Professions</td>
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<td>STEM Disciplines</td>
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<td>Education</td>
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<td>Social Sciences</td>
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<td>Business</td>
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<td>Humanities</td>
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<tr>
<td>Agriculture</td>
<td>369</td>
</tr>
<tr>
<td>Arts/Communication</td>
<td>269</td>
</tr>
</tbody>
</table>

Source: BOR Fact Book 2019
Filling the Workforce Pipeline: STEM Graduates

Undergraduate STEM Degrees

33% increase in STEM degrees since FY13

Source: Regents’ Information Systems
62% of all bachelor degrees were awarded in these fields in FY18 (an increase of more than 9% since FY13)
Workforce Development: Where Do Graduates Go?

31% from out-of-state
remain in state

71% from SD
remain in state

Top SD industries for graduates include:

- Health Care and Social Assistance (29%)
- Education (21%)
- Finance & Insurance (6%)
- Professional & Scientific Services (6%)
Collaboration with Education Partners

- **Continue Partnerships with SD Department of Education**

- **Continue Technical Institute Collaboration**
  - Nearly 100 new/updated articulation agreements last 5 years
  - USD Technical Leadership Program
  - SDSU/LATI “Opening Doors” Initiative

- **Expand Outreach to Tribal Institutes**
  - SDSU “Wokini Initiative”
Board of Regents’ Goals

- **Research and Economic Development**
  - Increase annual research and contract expenditures
    - Advance knowledge
    - Enhance technology transfer and commercialization
    - Catalyze economic development
Research is Job Development

- FY18 job creation – Faculty research efforts (FTE): 655.9
- Research innovations – FY07-FY18
  - Invention disclosures – 625
  - Patent and intellectual property protections filed – 292
  - Patents/licenses issued – 184

Source: BOR system office
Governor’s Research Centers and Economic Development

• 22 start-up companies affiliated with research centers have:
  ➢ Created 208 jobs in South Dakota
  ➢ Received 31 federal small business research (SBIR) awards, totaling $8,129,759
  ➢ Raised in excess of $23 million in private equity
Board of Regents’ Goals

• Affordability and Accountability
  ▪ Reduce tuition and fee ranking to regional average
  ▪ Create and capitalize on efficiencies
Affordability Measures Pay Off

+ $1,987
  Reduction from 128 to 120 credits

+ $1,490
  Two fewer courses/Exploratory Studies

+ $1,800
  Three HS Dual Credit courses

Potential Savings of $5,277
State Support Impacts Affordability

- FY15 and FY17 tuition freezes, supported by the Governor and Legislature, improved affordability for South Dakota students.

State support of South Dakota public higher education increased from 41% to 44% over the past five years.

Source: BOR Fact Book FY 2019
South Dakota Advantage

- Dec. 2018: BOR approved equivalent of in-state, undergraduate tuition rates at public universities for new freshmen and new transfer students from:
  - Montana
  - North Dakota
  - Wyoming
  - Nebraska
  - Iowa
  - Colorado

- In FY19, there were 154 freshmen and new transfer students from these states.
- Minnesota not part of this; SD already has reciprocity agreement with that state.
South Dakota Opportunity Scholarship

- 2018-19 academic year: 4,062 recipients funded
- Total of 17,298 recipients over the program’s lifetime
In the Region: Need-Based Funding per Pell Receiving Student

- Wyoming: $2,620
- Minnesota: $2,109
- Colorado: $1,263
- North Dakota: $1,081
- Iowa: $863
- Nebraska: $562
- Montana: $27
- South Dakota: $17
Budget Priority: Dakota’s Promise

- SD stuck near bottom in need-based scholarship support: only $229,000 available to award
- Long-term strategy needed to support students most at risk
- Shared Responsibility framework factors in financial contributions, then funds remaining unmet need
- $1,056,971 for 1st year phase-in

Source: WICHE: States in the Drivers Seat
Free Speech

• Differing viewpoints, controversial speech, and robust debate are integral to the educational process and should be encouraged, promoted and facilitated on our campuses.

• BOR Policy 1:32 – Commitment to Freedom of Expression – passed by the Board in December, solidifies the Board’s commitment to freedom of speech/expression and viewpoint/intellectual diversity on our campuses.

• BOR staff continuing dialogue with campus leadership to ensure changes to campus policies/practices align with the Board’s directive.
Measuring Our Progress
Ensuring Accountability and Transparency

- Board of Regents’ *Fact Book*
  - [www.sdbor.edu/mediapubs/factbook/index.htm](http://www.sdbor.edu/mediapubs/factbook/index.htm)

- BOR Interactive Dashboards
  - [www.sdbor.edu/dashboards](http://www.sdbor.edu/dashboards)

- BOR Strategic Plan – 17 System Metrics
  - [www.sdbor.edu/theboard/StrategicPlan](http://www.sdbor.edu/theboard/StrategicPlan)