

# Strategic Initiatives Completed

## Academic & Co-Curricular Excellence

### FY19

#### **Strategic Enrollment Plan** – Phase I developed and implemented

- Improved strategic marketing to prospective students
- East River (South Dakota) recruiter added
- Revamped Student Ambassador program
- Implementation of early math courses strategy
- Development of a comprehensive Student Success Center plan

#### **New Programs**

- Business Management in Technology (BS)
- Biomedical Engineering (BS)
- Esports (Undergraduate Certificate)
- Nanoscience and Nanoengineering (MS)

#### **Restructured Programs**

- Atmospheric & Environmental Science (BS)
- Pre-Professional Health Sciences (BS)
- Science, Technology, and Society (BS)

### FY20

#### **Strategic Enrollment Plan** – Phase 2 developed and implemented

- Revised Summer Camp model for high school students
- Developed strategy for offering distance courses

#### **New Programs**

- Electrical Engineering (PhD and Minor)
- Mining 360 (Graduate Certificate)
- Electronics Engineering and Technology (Minor)
- Mining Engineering (Minor)
- Systems Engineering (Minor)

#### **Restructured Departments**

- Computer Science & Engineering
- Biology, Chemistry, & Health Sciences

#### **COVID Modifications Introduced**

- Online course delivery

# Strategic Initiatives Completed

## Academic & Co-Curricular Excellence cont.

### FY21

#### **New Programs**

- Science, Technology and Society (Minor)
- Biochemistry (Specialization within BS in Chemistry)
- Industrial Engineering (MS)

#### **COVID Modifications Applied**

- Improved online course delivery methods
- Online orientation, extended move-in days, virtual career fair

## Research & Innovation

### FY19

- Dr. Rajesh Shende receives \$2.16M grant from Department of Energy's Bioenergy Technologies Office to research and demonstrate cost-effective ways to turn waste from biorefineries into valuable products.

### FY20

- New MOU between South Dakota Mines and Air Force Civil Engineer Center on broad range environmental stewardship
- 2D Materials, Biofilm and Microbial Research Brings in \$32 Million in National Science Foundation Grants
- South Dakota Mines wins first place at the Governor's Giant Vision Awards Business Competition for the sixth year in a row
- National Security Innovation Network Program Director hired to create partnerships between university researchers and the Dept. of Defense. The new course "Innovating for National Security" was added as part of the nationally-recognized curriculum of the Hacking for Defense (H4D) course.

### FY21

- First university spin-off company, Nanopareil, acquired by Gamma Biosciences

# Strategic Initiatives Completed

## Outreach & Engagement

### FY20

- Largest estate gift in university history, \$3.6M, for the Department of Civil Engineering

### FY21

- New brand unveiled
- South Dakota Mines ranks #1 Engineering School of Return on Investment for third straight year
- Created the Office of Industry Engagement

## Campus Culture

### FY20

- Leadership Academy for faculty, staff, and RC community
- Distribution and completion of Skyfactor campus climate survey and the Student Satisfaction Inventory (SSI)
- Lights added to exterior to of Rocker Square 1 and 2 adding to safety elements of campus

### FY21

- Police chief added to campus department of Public Safety



**SOUTH  
DAKOTA  
MINES™**