



SOUTH DAKOTA MINES
An engineering, science and technology university

University Cabinet

December 18, 2023





**SOUTH
DAKOTA
MINES**



Music Center



Strategic Plan

Academic & Co-Curricular Excellence

- MET E Jr. Design and A+E proposal
 - Wind Ensemble Build
- CEE senior project *Score-Score* (v1 and v2)
 - CEO Business Competition 2023, 2nd Place
 - Governor's Giant Vision 2023, 5th place
- Nano Biomechanics & Mechanobiology Spectral Drum project with Dr. Wood

Research & Innovation (Creative Activity)

- Dr. Armstrong: SD Area V Honor Band 2023; Kansas State University Annual Concert Band 2024; CO Music Educator's Association Headline Clinician 2024
- Dr. Scheepers: Missouri South Central District Honor Choir 2023; SD Area V Honor Choir 2023; Mzansi Conductor's Convention 2024

Outreach & Engagement

- SD Bandmaster's Convention 2024
- SDMEA Performance 2023

Campus Culture

- Hardrockapella (new ensemble)
- Humanities, Arts and Social Sciences- Department Name



Department/Center/Program Highlights



Members Involved

Pillow Metric

2016/17: 5 pillows

2023/24: 31 pillow, 2 blankets



Department/Center/Program Highlights- Spring 2024 Events

Scholarship Auditions

February 2nd VIRTUAL

Brookings Bound Concert

Wind Ensemble and Central HS Jazz Ensemble

February 5th

Central HS

SD Bandmasters Conference

Wind Ensemble invited performance

February 9th-10th

SDSU- Brookings SD

Dinner / Dance

Jazz Band, Wind Ensemble, Concert Choir and Singing Engineers

Friday & Saturday February 16th & 17th

5:30 to 8:30 PM

Music Center

Engineering and Science Day Lunch

Jazz Band or Pep Band or Master Chorale

Thursday, February 22rd at 12-1pm

Music Center

Intercollegiate Band

Wed March 20th-Friday March 22nd

T.G. Riggs HS, Pierre SD

Spring Battle of the Bands

University Band, Wind Ensemble, and Jazz Band

Friday, April 12th at 7:30 PM

Music Center

Spring Orchestra

University Orchestra

Friday, April 19th at 7:30 PM

Music Center

Spring Choir Concert

University Choir, Singing Engineers, and Concert Choir

Friday, April 26th at 7:30 PM

Music Center

Spring Commencement

Graduation Band

Saturday, May 4th at the Monument Ice Arena





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Industrial Engineering

Strategic Plan

List the top two initiatives, goals, or achievements (as applicable) for the department.

Academic & Co-Curricular Excellence

- Expand course offerings in data science and advanced manufacturing
- Recruit students into the on-campus MS IE and PhD Data Science degree program.

Research & Innovation

- Increase the number of research proposals submitted, the percentage of faculty actively involved in external research and the research expenditures.

Outreach & Engagement

- Increase external outreach to industrial organizations in South Dakota and adjacent states.
- Establish closer relationship with Ellsworth AFB.

Campus Culture

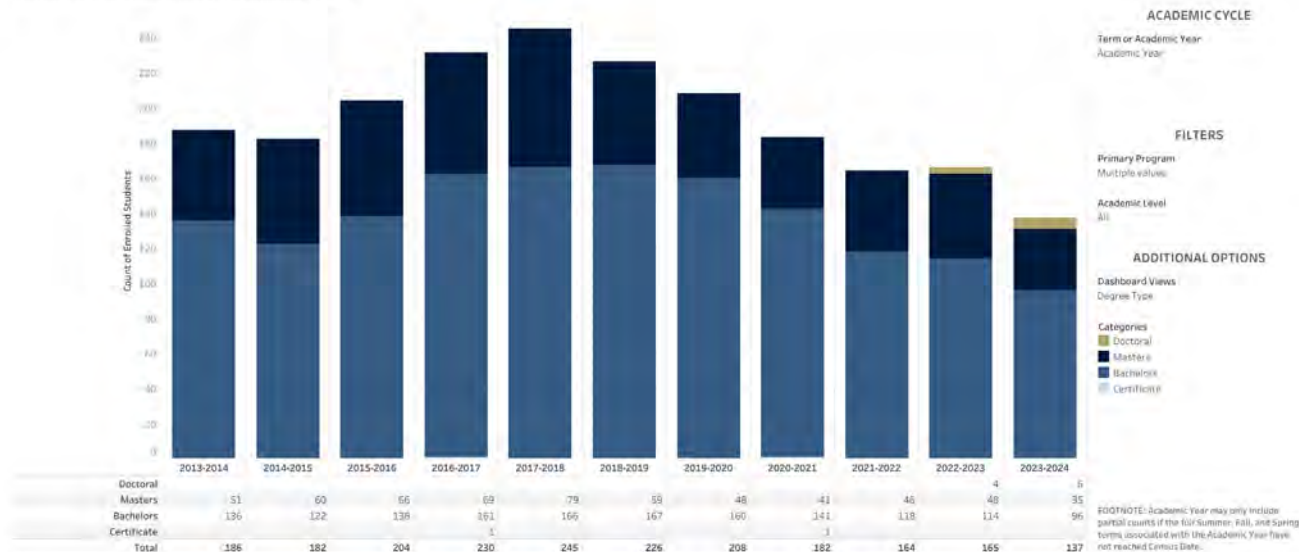
- Maintain welcoming and supporting culture of the IE undergraduate programs.

Department/Center/Program Highlights

You have a maximum of two pages to list any of the following:

- Faculty and Staff
 - The IE department is currently working to fill 2 new faculty positions due to the departures of Dr. Na and Dr. Piper.
 - At present, we have 3 younger faculty members and 3 more senior members. Additional retirements can be expected in the near future.
- Enrollment

Student Enrollment by Academic Year



Department/Center/Program Highlights

Research

- Awards and expenditures –
 - 2021 - \$48,796; 2022 - \$69,218; 2023 - \$96,183
- Submitted Proposals –
 - 2022 - \$757,075; 2023 - \$576,907

Student Activities - The IEEM student organization successfully hosted the regional student conference with more than 100 students from 5 different states attended the conference.

Space





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Monthly Reports

Enrollment Management

- Admissions has started a campaign this month to reach out to high school counselors in our key states to let them know which of their students need to submit materials to meet the scholarship deadline of January 15.
- The free application period resulted in nearly 900 applications.

Academics

- Darcy has started visiting individual academic and support departments across campus to prepare for the HLC visit this spring. Our final assurance argument will be submitted in March and the visit will occur in April.
- Numerous curricular items have made their way through CGE, UCC, and Faculty Senate and have been approved by the BOR.

Student Success

- The search for the next Director of Career Services is on-going with the new Director expected to start in January 2024.
- Use of the SlideRule along with other tutoring services offered in the Vanderboom Office of Student Success continues to be high, especially the final weeks of the fall semester.

Applications, acceptances, and registrations:

	Fall 2020	Fall 2021	Fall 2022	Fall 2023	Fall 2024
Applications	1,056	1,154	1,221	1,246	1,326
Acceptances	739	767	887	915	934
Registrations	N/A	N/A	N/A	N/A	N/A
Transfers (Spring)	9	17	16	14	13
Transfers (Fall)	4	0	4	2	1

Graduate Education

December 2023

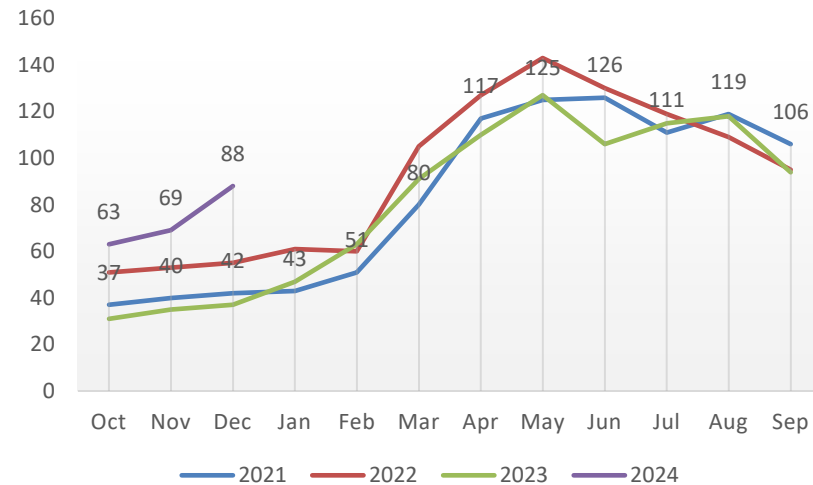
For Fall 2024

Current Accepted applications- potential enrolled	Fall 2024	3-yr avg	# change from 3-yr avg	% change from 3-yr avg
Current accepted applications	88	45	43	95.6%
Campus MS	79	42	37	88.1%
Distance MS	7	1	6	600.0%
PhD	2	1	1	100.0%
U.S. students	69	43	26	60.5%
International	19	2	17	850.0%
Accelerated*	63	42	21	50.0%

Streamlined nonthesis admissions is impacting accepted applications, probably timing more than final count.

- PhD in Chemical and Biological Sciences starts Spring 2024
- Graduate Writing Center planning multiple writing workshops for spring semester
- Meeting with departments to discuss professional development in nonthesis MS
- CGE approved requirement for research ethics training for thesis MS and PhDs

Current accepted applications (potential enrolled)



Ben Noland Football Top 33 finalist for Harlan Hill Trophy – Top player in NCAA D2 Football

Volleyball - Alessandra Meoni – Honorable Mention All-American

Jan. 12 BB vs Western CO – Build Your Base Night, free Hamburgers

Feb. 16 Scholars Athlete Night

Wellness Center Holiday Break Hours Of Operation

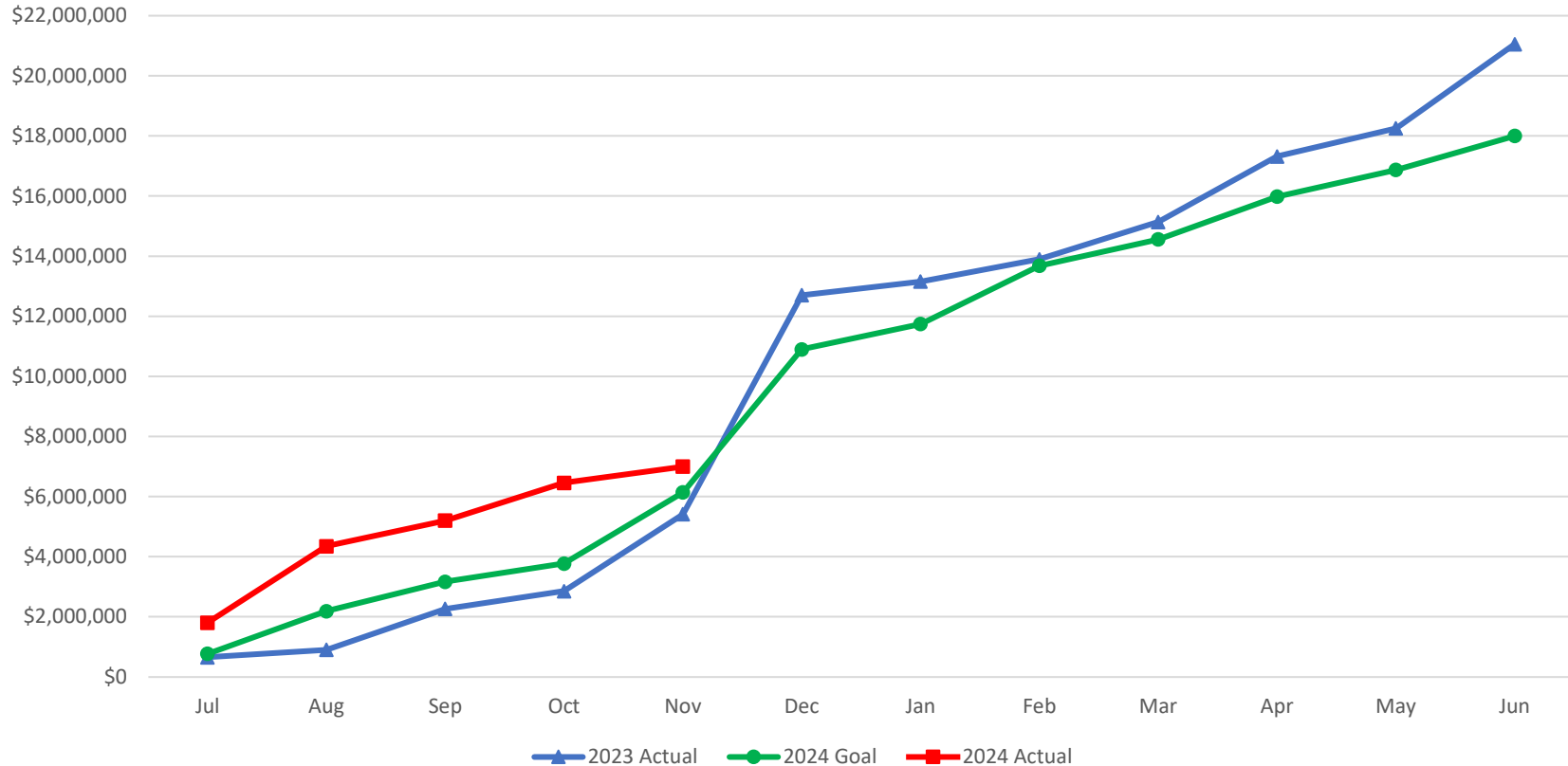
DECEMBER-JANUARY

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
3 9am-5pm	4 6am-10pm	5 6am-10pm	6 6am-10pm	7 6am-10pm	8 6am-10pm	9 9am-5pm
10 9am-5pm	11 6am-10pm	12 6am-10pm	13 6am-10pm	14 10am-2pm	15 10am-2pm	16 CLOSED
17 CLOSED	18 10am-2pm	19 10am-2pm	20 10am-2pm	21 10am-2pm	22 10am-2pm	23 CLOSED
24 CLOSED	25 CLOSED	26 10am-2pm	27 10am-2pm	28 10am-2pm	29 10am-2pm	30 CLOSED
31 CLOSED	1 CLOSED	2 10am-2pm	3 10am-2pm	4 10am-2pm	5 10am-2pm	6 9am-5pm
7 9am-5pm	8 6am-10pm					

FY24 Annual Goals

Category	FY 23 Actuals	FY 24 Goals	FY 23 Actuals thru 11/30/22	FY 24 Actuals thru 11/30/23
New Gifts and Pledges:				
• Cash	\$ 9.43 M		\$ 2.23 M	\$ 2.00 M
• Stock	\$ 1.26 M		\$.22 M	\$ 0.09 M
• Pledges	<u>\$ 10.36 M</u>		<u>\$ 2.96 M</u>	<u>\$ 4.91 M</u>
Total New Money	<u>\$ 21.05 M</u>	<u>\$18.00M</u>	<u>\$ 5.41M</u>	<u>\$ 7.00 M</u>
• Gifts In Kind	\$ 43 K		\$ 2 K	\$ 2 K
• Estimated Heritage Society Gifts	\$ 2.89 M		\$ 0 K	\$ 0 K
• Pledge Payments	\$4.94 M		\$ 2.21 M	\$ 2.75 M

Contributions



FY24 Annual Financial Goals

Category	FY 23 Actuals	FY 24 Goals	FY 23 Actuals thru 11/30/22	FY 24 Actuals thru 11/30/23
Mines Advancement Fund	\$844 K	\$650 K	\$184 K	\$225 K
Corporate and Foundation Giving	\$1.02 M		\$281 K	\$3.42 M
Major Gifts	\$18.66 M		\$4.58 M	\$3.03 M

Breakdown of all gifts

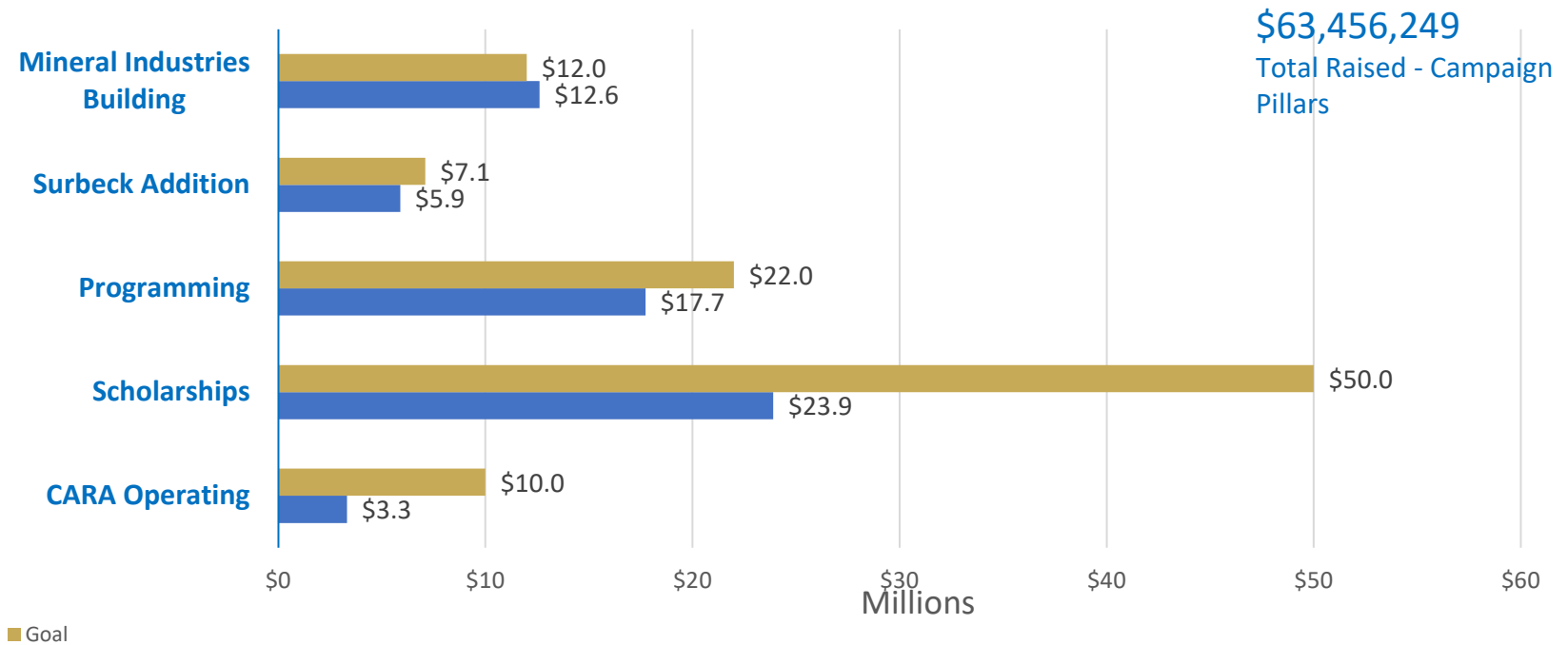
Area	As of 11/30/23
Scholarships	\$2,680,414
Department Support	\$793,253
Athletics	\$113,152
Faculty Support	\$0
Facilities	\$3,155,372
Mines Advancement Fund	\$224,683
CARA Endowment & Unrestricted	\$31,010
Total	\$6,997,884

FY24 Donor Goals

Category	FY 23 Actuals	FY 24 Goals	FY 23 Actual thru 11/30/22	FY 24 Actual thru 11/30/23
New Heritage Society Members	23	20	11	7
Gifts over \$10,000 (Unique Donors)	173	180	48	56
Total Donors	2,180	2,250	1,050	1,420

New Heights Campaign Pillars

New Heights Campaign Pillars



Upcoming Alumni Events

January:

- Tuesday, January 9 @ 6:00 PM – DC Area Alumni Dinner @ Maggiano's Tysons Galleria
- Thursday, January 9 @ 11:00 AM – Thursday at Thirsty's
- Thursday, January 11 @ 5:30 PM – Atlanta Dinner @ Stoney River Steakhouse
- Saturday, January 13 @ 2:30 PM – Pierre Tailgate
- Thursday, January 18 @ 11:00 AM – Lunch & Learn CAMP

February:

- Thursday, February 8 @ 11 AM – Thursday at Thirsty's
- Tuesday, February 27 @ 6:00 PM – SME Alumni

March:

- Friday & Saturday, March 1 & 2 – Championship Weekend
- Tuesday, March 5 @ 5:00 PM – Alumni & Student Bingo
- Friday, March 22 @ 6:00 PM – Woodland Park, TX Alumni Event

Alumni Awards

South Dakota Mines alumni are honored in three categories: March Medal, Outstanding Recent Graduate, and Distinguished Alumni. The Hardrocker Heritage Alumni Awards Gala, held during Rocker Days, is an annual event where award recipients are recognized.

The **Outstanding Recent Graduate Award** honors graduates who have achieved exemplary career progress and recognition within ten years of their graduation. The individuals selected for this award serve as excellent role models to showcase the importance of continued personal growth in a rapidly changing world.

The **Distinguished Alumni Award** recognizes alumni who make outstanding contributions to their careers, their communities, and to Mines.

The **Guy E. March Medal** may be presented to a Mines graduate in recognition of the individual's positive interaction with students, the university and the alumni of South Dakota Mines. Graduates who receive the March Medal exemplify the caring spirit of Dr. Guy March.

The deadline for nomination is January 31st, 2024

Traditions of Excellence Awardees

- November – Monica Darrow
- Nominations being accepted for December

CSA Meetings

- Feb. 15/22

2023-2024 Council Members

Angela Mettler, CSA Chair

- *May 2024*

Shelly Tupper, Vice Chair

- *May 2025*

Anita Brenneman, Secretary

- *May 2024*

Amber Anderson, Council Member

- *May 2025*

Jenn Dusek, Council Member

- *May 2024*

Faculty Senate

Facilities, Risk & Services

No updates this month

Budget Cycle: January – March 2024

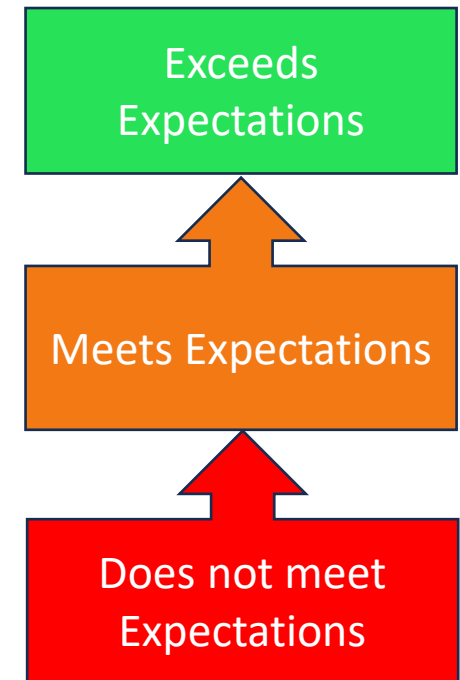
- Monitor current year FY24 budget and adjust based on Census Date enrollment numbers in mid-January
- Begin the FY25 departmental budget hearing process
 - Budget Development Committee consists of: The President, the Provost, the VP of Finance, Budget Director, and Controller
 - Because of our tight budget, these hearings have principally been to review the financial situation in each department and ensure that the strategic plan is being followed.
 - Reviews of credit hour production, graduates, faculty workload, and grant activity are performed for all academic departments.
 - Administrative departments are reviewed for efficiencies and effectiveness.
- Begin the FY25 Legislative Process
 - Legislature JCA FY25 Budget Presentation (January 22-23)
 - The process ends in March with the Legislature appropriating FY25 state general funds and determining salary policy

2024 Minimum Wage Increase

The minimum wage for employees in South Dakota is increasing from \$10.80 to \$11.20 effective January 1, 2024. Any students who are below the \$11.20 per hour will be brought up to \$11.20 effective with the January pay period that begins December 22, 2023. Please make sure to be conscious of this new minimum wage when hiring, as well as to keep in mind the budget implications associated with this change.

NFE and CSA Performance Evaluation Processes

	Step	Open Date	Due Date
1	Supervisor Creates Plan	11/06/2023	12/15/2023
2	Employee Acknowledges Plan	11/06/2023	12/20/2023
3	Supervisor Evaluation	11/06/2023	01/16/2024
4	Second Level Supervisor Approval	11/06/2023	01/22/2024
5	HR Reviews	11/06/2023	01/25/2024
6	Supervisor/Employee Meet	11/06/2023	02/15/2024
7	Employee Acknowledges Evaluation	11/06/2023	03/01/2024





Upcoming Holiday & Administrative Leave Days

December						
2023						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
24	25 HOLIDAY	26 ADMINISTRATIVE LEAVE	27	28	29	30



Software Development

- End of fall semester/beginning of spring semester reports and applications
- Conclusion of the website design phase, moving on to the development phase with Modern Campus
- Hope to be working in Ellucian Experience to build out the portal in the coming months
- Working to get a better understanding of Team Dynamics

Networking & Security

- Preparing for project over winter break:
 - Dorm APs / New Firewalls / New Router
- Worked with Mathworks to get an understanding of new MATLAB license options for campus
- Working with Facilities with planning people shuffle with King Center HVAC work starting at the end of February
- Working with other universities on backup hardware solution
- Spinning up our instance of Delinea SecretServer to start implementing Privileged Access Management

Helpdesk/Classroom Support

- Preparing laptops for incoming Spring students
-

Website Redesign Project

- Design phase complete
- Technical buildout in process
- Intranet/portal planning happening now

November Social Media Metrics:

- Total Impressions: 349,073
- Total Engagements: 16,586
- Total Post Link Clicks: 3,895
- Monthly Engagement Rate: 4.7%
- Total Audiences: Down 0.8%

Marketing Study Update:

- Interviews with stakeholder reps completed
- Surveys to alumni and general public launching this week
- Current/prospective students, faculty, and staff will receive surveys in early January

Digital Ad Campaigns

- 20 ad campaigns (14 are program specific) running through January
- Working with AdTaxi to increase conversion rates, decrease cost per clicks

Commencement release shared on 12/12!

Release Date Tuesday, December 12, 2023

South Dakota Mines Celebrates 188th Commencement



South Dakota Mines 188th commencement ceremony will begin at 9 a.m. on Saturday, Dec. 16, 2023, in the Fine Arts Theatre at The Monument in Rapid City.

- NFE of the Month - November
 - Stephanie Lindsley – Director of Scheduling and Event Operations
- Spring events TBD

Office Updates:

- BOR Meeting was held at SDSU Dec. 13-14
 - Quantum certificate was approved
 - South Dakota Advantage expansion
 - State employee tuition rate (online only)
- Dr. Rankin will be speaking on the “State of Higher Education” panel at Elevate Rapid City’s Critical Issues Luncheon on Jan. 4

President's Upcoming Travel:

- Jan. 18 BOR Legislative Welcome in Pierre
- Jan. 22-23 FY25 Budget Presentations to Appropriations Committee in Pierre
- Jan. 29 Mines Day & Reception in Pierre
- Feb. 25-28 SME Conference in Phoenix
- March 12 COPS Meeting in Pierre

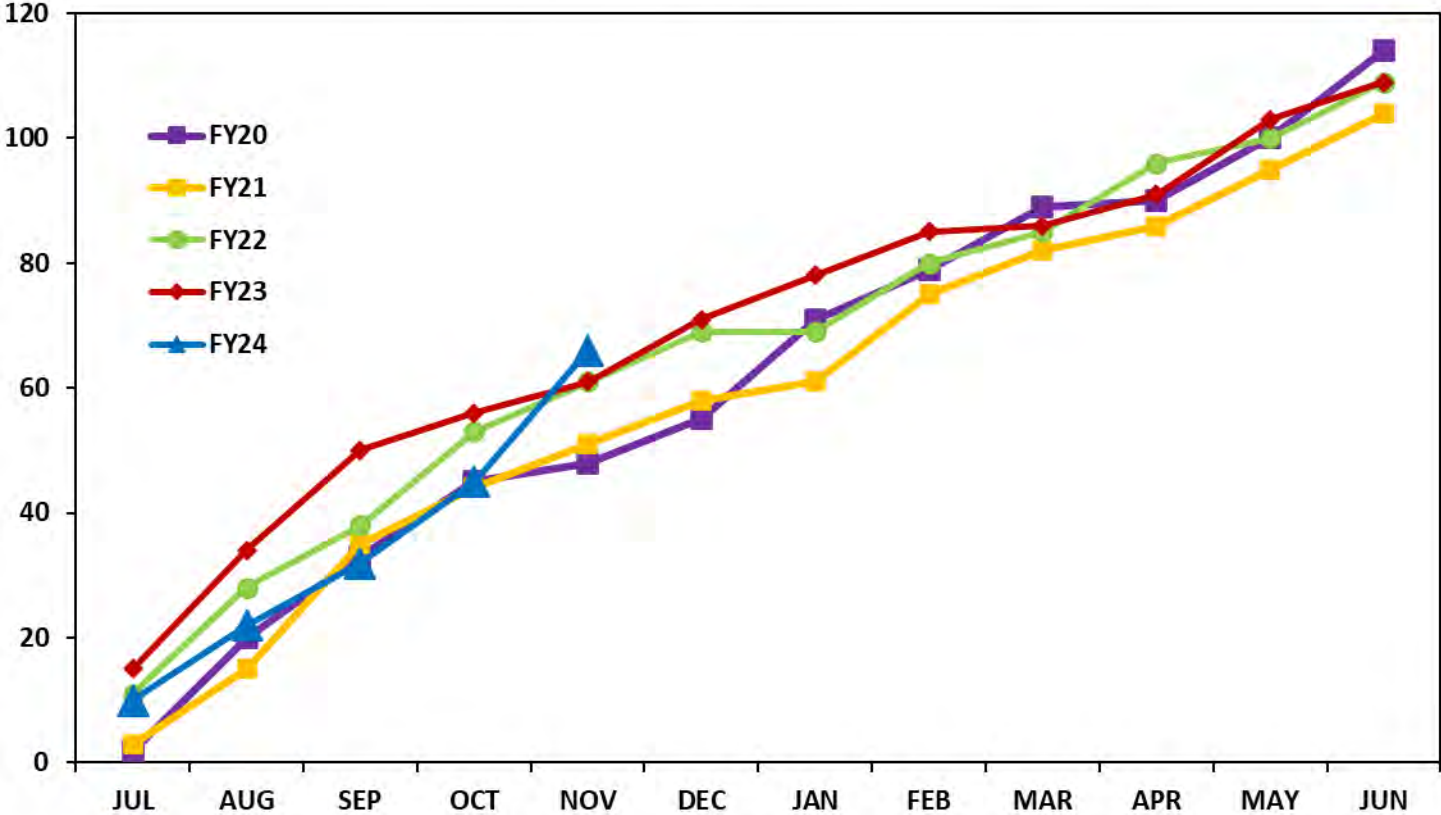
Upcoming Events:

- **Dec. 16** **Fall Commencement**
- **Jan. 16** **Spring Faculty & Staff Convocation**
- **Jan. 29** **Mines Day @ The Capitol**
- **Feb. 13-14** **President's Leadership Academy**
Lorin and Mary Brass, plus Worldview Intelligence
- **Feb. 20-24** **Engineers Week**
- **March 20** **President's Leadership Academy**
Drew Dudley, Day One Leadership
- **March 26** **High Plains Regional Science & Engineering Fair**
- **April 12** **President's Scholarship Dinner, Sioux Falls**
- **April 19** **Spring University Advisory Board Meeting**
- **April 22** **Honors Convocation**
- **May 4** **Spring Commencement**
- **May 8** **Employee Service Awards**

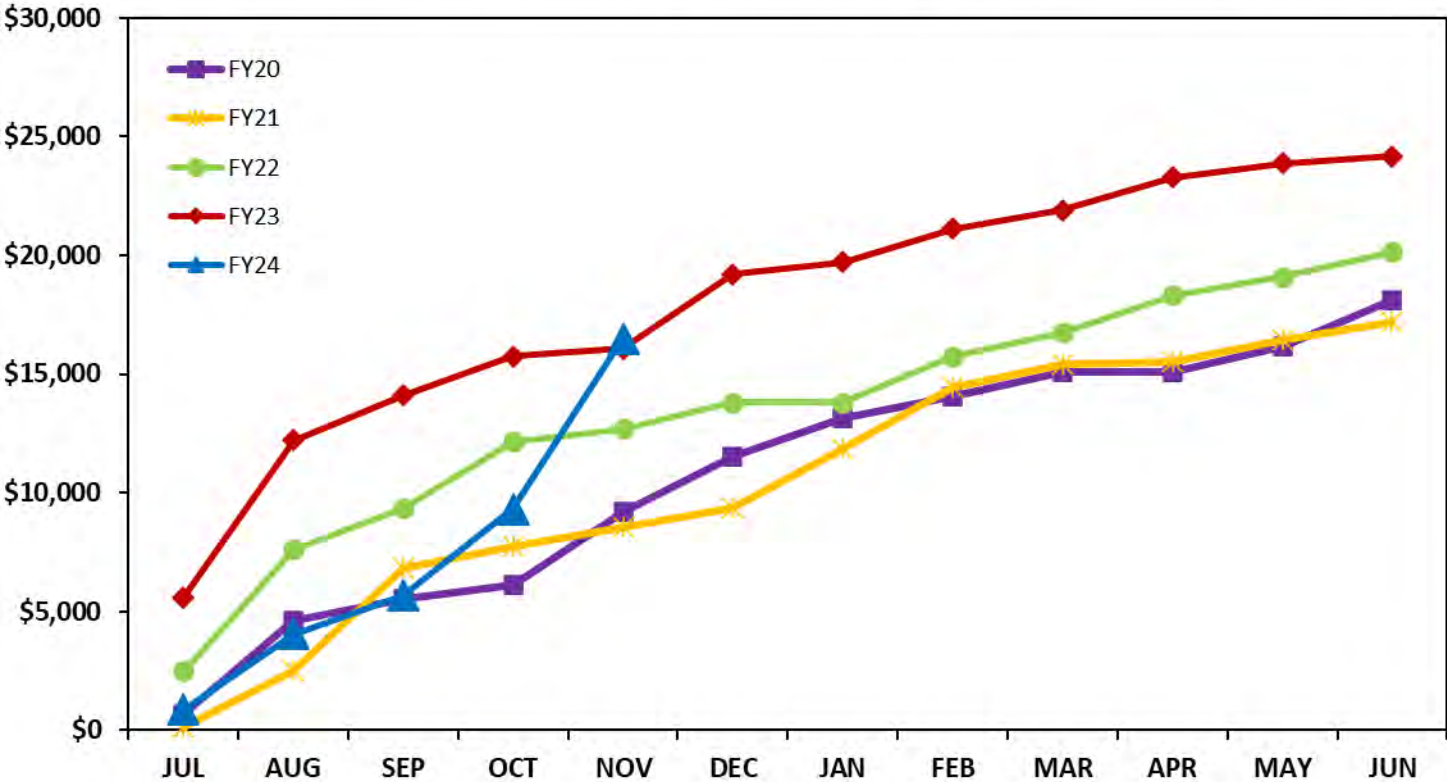
Updates

- **New Funding**
 - **Prasoon, Govil, Sani: NSF: Climate-Conscious Ag Tech**
 - **Kar, Crawford, Curtis, Duke: NASA: In-Space Welding**
 - **Lipatov, Paudel: NSF Expand QISE: Track 1: 2D Materials**
 - **Duke, Durkin: NASA: EPSCoR Research Infrastructure**
 - **Kavanaugh: NHTSA: Highway Safety**
 - **Hall: NSF: ENGINES: Autonomous Systems**
 - **Groven: DOD: Add. Manuf.**
 - **Donovan: Glass/Ceramics Ind. Fdn**
 - **Govil, Sani, Salem: NSF: BioPolymers from Ag. Feedstocks**
 - **Scott: DHHS: Pediatric Rsch**
 - **May: USDA: Forest Biomass stocks**
- **Events**
 - **SDSU, Research Computing (HPC) returning to campus in January for follow up meetings and training**

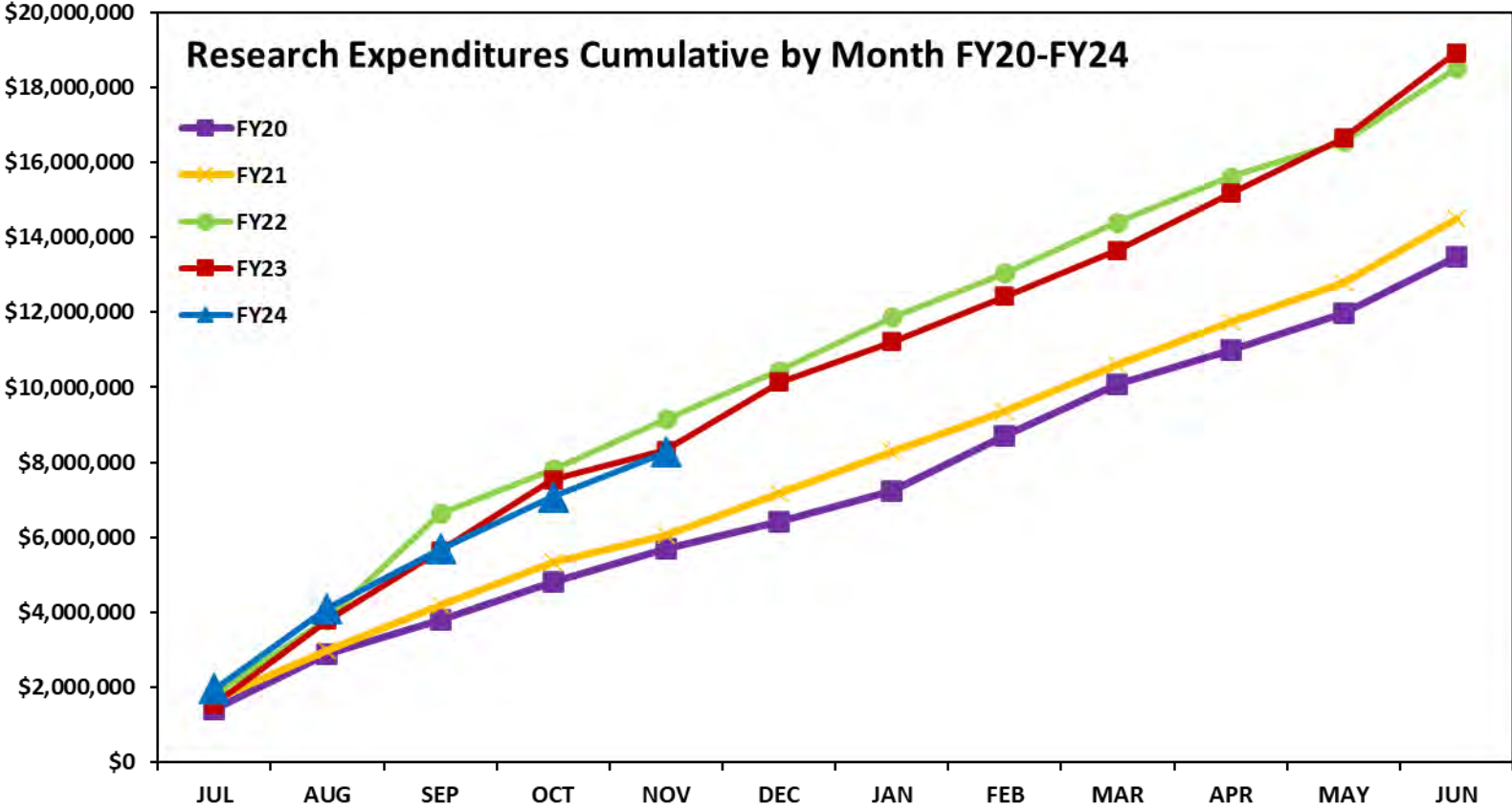
Cumulative Number of Awards by Month FY20-FY24

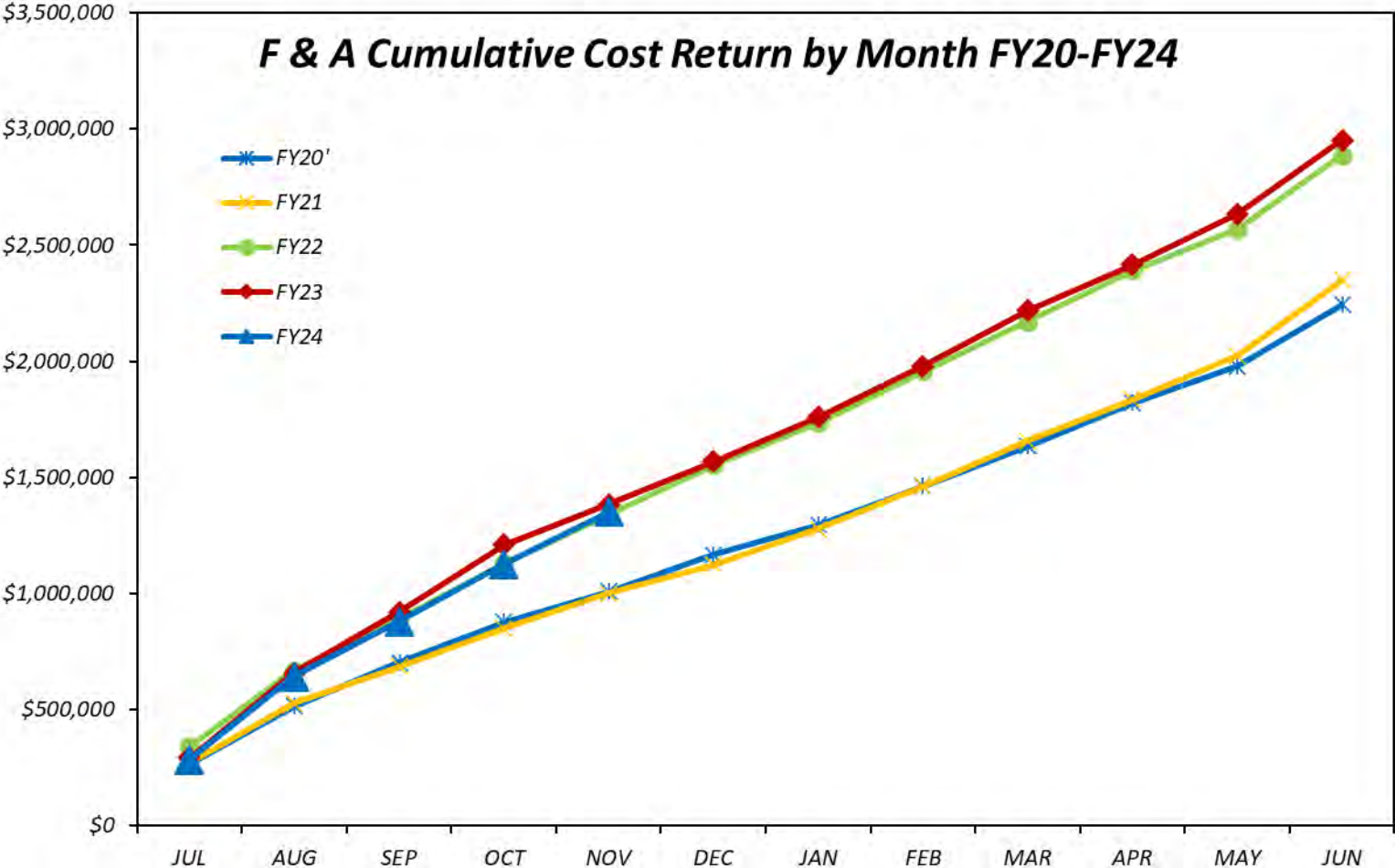


Cumulative Value of Awards (\$ K) by Month FY20-FY24



Research Affairs





Student Association



Student Development

Updates

Two New Counseling Interns

- Chris Wallace
- Isaac Vanderwold

Received Results from National College Health Association Survey

- 85% of our students described their health as good, very good, or excellent
- Top 3 Impediments to Academic Performance
 - 1- Procrastination
 - 2- Stress
 - 3- Anxiety
- 19% of students reported serious psychological distress
- 51% of students reported loneliness
- Top 5 Challenges in Past 12 Months
 - 1- Procrastination
 - 2- Academics
 - 3- Personal Appearance
 - 4- Finances
 - 5- Intimate Relationships
- 61% Indicated 7-9 Hours of Sleep Per Night
 - 39% Indicated Less than 7 Hours
- High Resiliency Reported (6 out of 8 scale)