

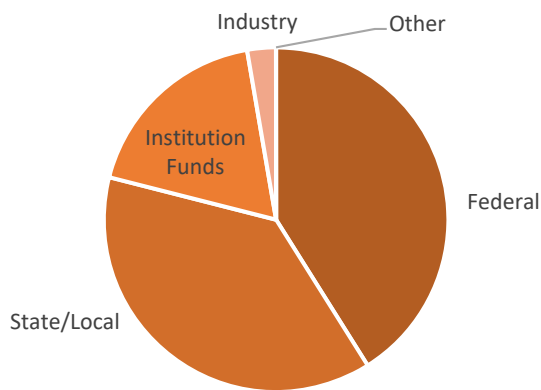
# Research Annual Report 2021

Expenditures as reported to the National Science Foundation's Higher Education Research and Development (HERD) Survey

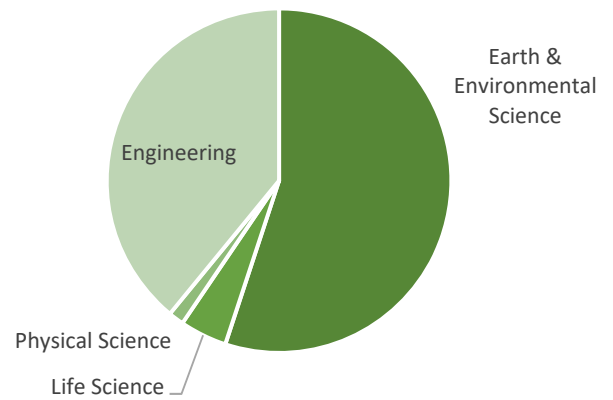


In FY2021, Montana Tech principal investigators submitted 96 proposals, requesting \$12.1 million. They received 55 awards totaling \$8.48 million. Overall, including internal and state funds the FY21 research expenditures totaled \$14.9 million. The pie charts show the sources and uses of research funding.

Total Research Expenditures by Funding Source  
2021



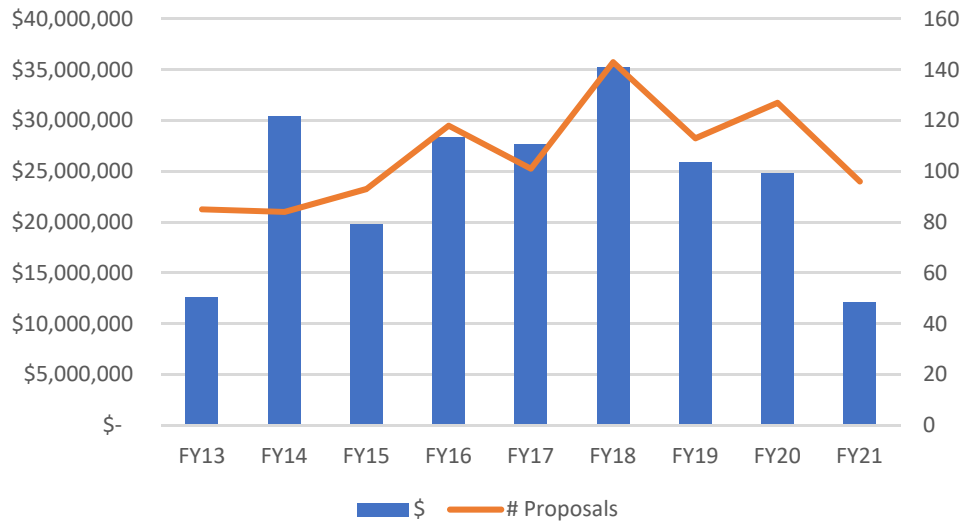
Total Research Expenditures by Discipline  
2021



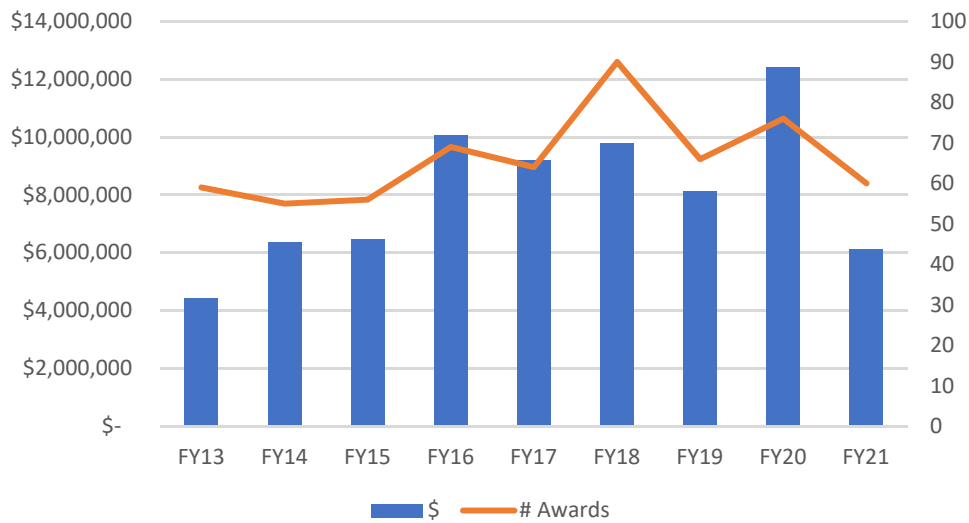
## Sponsored Projects Awards Received by College or Division

College or Division	Number of Awards	Dollar Value of Awards	Number of Proposals	Dollar Value of Proposals
School of Mines and Engineering	16	\$985,638	33	\$5,766,043
College of Letters, Sciences, and Professional Studies	6	\$80,417	18	\$2,660,161
Highlands Collage	3	\$131,733	3	\$205,212
Institute for Educational Opportunities	7	\$1,335,414	8	\$710,848
Montana Bureau of Mines and Geology	12	\$927,548	19	\$2,384,179
Clark Fork Watershed Education Program	1	\$5,000	3	\$120,050
Other Non-Academic Divisions	8	\$81,953	11	\$251,105
Center for Advanced Mineral, Metallurgical and Materials Processing (CAMP)	2	\$4,931,186	1	\$31,200

### Historical Proposal Submissions



### Historical Award Data



### 2021 Distinguished Researchers

Montana Tech’s Distinguished Researcher program recognizes the outstanding contributions to current research and scholarly activity by the faculty and staff of the Montana Tech community.

To qualify for these competitive awards, researchers must: be national or regionally recognized in their field of research/scholarly activity, demonstrate a commitment to student involvement in the research enterprise at either the undergraduate or graduate level, and demonstrate their campus leadership in research/scholarly activity.

**2021 Distinguished Researcher:**

- Alysia Cox, Chemistry
- Atish Mirta, Math
- Jack Skinner, Mechanical Engineering

**2021 Lifetime Distinguished Researcher:**

- Marvin Speece, Geological Engineering

## 2021 Montana Tech submitted Principal Investigators and Co-Principal Investigators

<b>Last Name</b>	<b>First Name</b>	<b>Department</b>	<b>Last Name</b>	<b>First Name</b>	<b>Department</b>
Anderson	Susie	Other	McDonald	Katie	MBMG
Autenrieth	Dan	SHIH	Meredith	Elizabeth	MBMG
Birkenbuel	Lorri	SHIH	Mitra	Atish	Math
Brandl	Rayelynn	CFWEP	Nagisetty	Raja	Environmental Engineering
Chandler	Kevin	MBMG	Oppong Anane	Akua	Other
Coe	Janet	Nursing	Pal	Robert	Biology
Conrad	Paul	Mining Engineering	Park	Jungyu	Environmental Engineering
Cox	Alysia	Chemistry	Pedulla	Marisa	Biology
Crowley	Jeremy	MBMG	Phelps	Bernie	Highlands
Curtiss	Phil	Computer Science	Pramanik	Brahma	Mechanical Engineering
Das	Avimanyu	Metallurgy & Materials Engineering	Prieto	Dario	Mechanical Engineering
Downey	Jerry	Metallurgy & Materials Engineering	Rader	Theresa	Institute for Educational Opportunities
Duaime	Ted	MBMG	Raymond	Sarah	Other
Elliott	Colleen	MBMG	Richards	Lee	Petroleum Engineering
Faught	Charie	Nursing	Risser	Hilary	Math
Galarus	Douglas	Computer Science	Risser	Scott	Interdisciplinary Arts & Sciences
Gammons	Chris	Geological Engineering	Roos	Chris	Mining Engineering
Ganesan	Kumar	Environmental Engineering	Rosenthal	Scott	Mining Engineering
Gavillot	Yann	MBMG	Sadeghi	Mohammad	Geological Engineering
Gotkowitz	Madeline	MBMG	Scarberry	Kaleb	MBMG
Graff	Joel	Biology	Schrader	Sue	Petroleum Engineering
Gunderson	Jay	MBMG	Sessions	Layne	Other
Hailer	Katie	Chemistry	Skinner	Jack	Mechanical Engineering
Hart	Julie	SHIH	Speece	Marvin	Geological Engineering
Hartline	Beverly	Other	St. Clair	Brian	Chemistry
Hill	Bryce	Electrical Engineering	Stack	Theresa	SHIH
Hutchins	David	CAMP	Stapley	Ryan	Biology
Icopini	Gary	MBMG	Stickney	Michael	MBMG
Jiang	Daqian	Environmental Engineering	Timmer	Jackie	MBMG
Kloker	Tara	Other	Trudnowski	Dan	Electrical Engineering
Kuenzi	Amy	Biology	Verlanic	Amy	Institute for Educational Opportunities
LaDouceur	Rick	Mechanical Engineering	Wyss	Gary	CAMP
LaFave	John	MBMG	Young	Courtney	Metallurgy & Materials Engineering
Lonn	Jeffrey	MBMG	Zhou	Xiaobing	Geological Engineering
Lucon	Peter	Mechanical Engineering	Zodrow	Katherine	Environmental Engineering
MacLaughlin	Mary	Geological Engineering			