

2023 GSoC Advisory Board Update

February 24, 2023



MONTANA
STATE UNIVERSITY

College of
ENGINEERING

Mountains & Minds

I. Students and Curriculum



MONTANA
STATE UNIVERSITY

College of
ENGINEERING

Mountains & Minds

Data Science B.S.

- The proposal is with Board of Regents Preparation. Remaining Steps: Dean, Dean's Council, Regents, Accreditors, Registrar.

M.S. in Cybersecurity

- The degree launched in Spring 2023.
- Enrolled students: 4
- Fall 2023 acceptances: 9

Degree Snapshot

	Total Students	B.S. and B.A. Degrees	M.S. Degrees	Ph.D. Degrees
AY 2021	94	84	9	1
AY 2022	116	97	16	3
AY 2023 estimate	123	110	10	3

CS Enrollment Snapshot

	Total Students	B.S. and B.A. Students	M.S. Students	Ph.D. Students
AY 2021	569	514	30	25
AY 2022	552	508	20	24
AY 2023	568	527	20	21

Other Enrollments

	AY 2019	AY 2020	AY 2021	AY 2022	AY 2023
Comp Sci Minor	7	15	20	15	19
Data Sci Minor	1	21	22	15	29
Data Sci Masters	0	4	5	6	13
Cyber Masters					4

II. Personnel Updates



MONTANA
STATE UNIVERSITY

College of
ENGINEERING

Mountains & Minds

New Faculty

- Neda Nezami, Fall 2022
- Ph.D. in Systems Eng. from Virginia, 2022
- Interests: Data science, data visualization, data mining



New Faculty

- Reese Pearsall, Fall 2022
- M.S. in Computer Science from MSU, projected 2023
- Interests: Cybersecurity, malware detection and analysis, cybercrime



New Faculty

- Ann Marie Reinhold, Fall 2022
- Ph.D. in Ecology and Env. Science from MSU, 2018
- Interests: Environmental data science and simulation; cybersecurity threat detection; computationally enhanced risk communication



New Faculty

- Lucy Williams, Fall 2022
- Ph.D. in Computer Science from MSU, 2022
- Interests: Design and analysis of algorithms for DNA sequencing and analysis



New Staff

- Shane Blanchard joined us as our professional advisor this past fall
- We are searching for a new administrative associate



Faculty Search

- Hambly Professor
- 4 Assistant Professors
- Priority Areas include cybersecurity, data science, AI/machine learning



III. Research and Awards



MONTANA
STATE UNIVERSITY

College of
ENGINEERING

Mountains & Minds

Research Snapshot

Fiscal Year	Expenditures
2020	\$1,162K
2021	\$1,616K
2022	\$2,222K

Faculty Awards

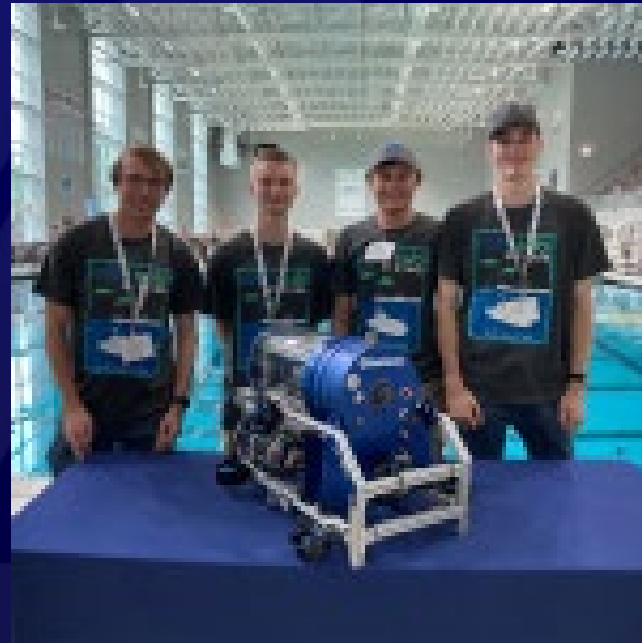
- Mary Ann Cummings
 - 2023 Phi Kappa Phi Award for Distinguished Teaching
- Brittany Fasy
 - 2023 NACOE Excellence in Research



IV. Gianforte Hall

- February 2022: Gift Announcement
- May 2022: BOR Approval
- September 2022 Architects selected
- October 2022: Programming Phase
- January 2023: Benchmarking Trip
- February 2023: Concept Phase
- May 2024: Groundbreaking?
- May 2026: Ribbon cutting?

Thank you!



MONTANA
STATE UNIVERSITY

College of
ENGINEERING

Mountains & Minds