



**Mission Review: Montana Tech
Board of Regents Meeting
November 2014**



MISSION STATEMENT

To meet the changing needs of society by supplying knowledge and education through a strong undergraduate curriculum augmented by research, graduate education and service.



CORE THEMES



Education & Knowledge



Student Achievement



Engaged Faculty



Montana Tech Community



MONTANA TECH IS UNIQUE

- Only institution in the U.S. that maintains the full range of minerals and energy engineering degree programs that are accredited by the Accreditation Board for Engineering and Technology (ABET)
- 1 of 2 universities offering Geophysical Engineering
- 1 of 4 universities offering Metallurgical Engineering, emphasizing extractive metallurgy and mineral processing
- 1 of 14 universities offering Mining Engineering
- 1 of 17 universities offering a B.S. in Petroleum Engineering



EXEMPLARY UNDERGRADUATE EDUCATION

- Unique non-engineering degree programs
- 100% pass rate on the 2014 NCLEX RN exam
- 90% acceptance rate for students who applied to medical and professional schools
- Offers 6 of the top 10 degrees with highest lifetime earnings
- Selected by AISES as a top-200 campus nationwide for American Indian students for 2014



ACADEMIC PROFILE



Number of Degrees and Certificates Awarded

Number of programs:

Certificates: 11

AS: 2

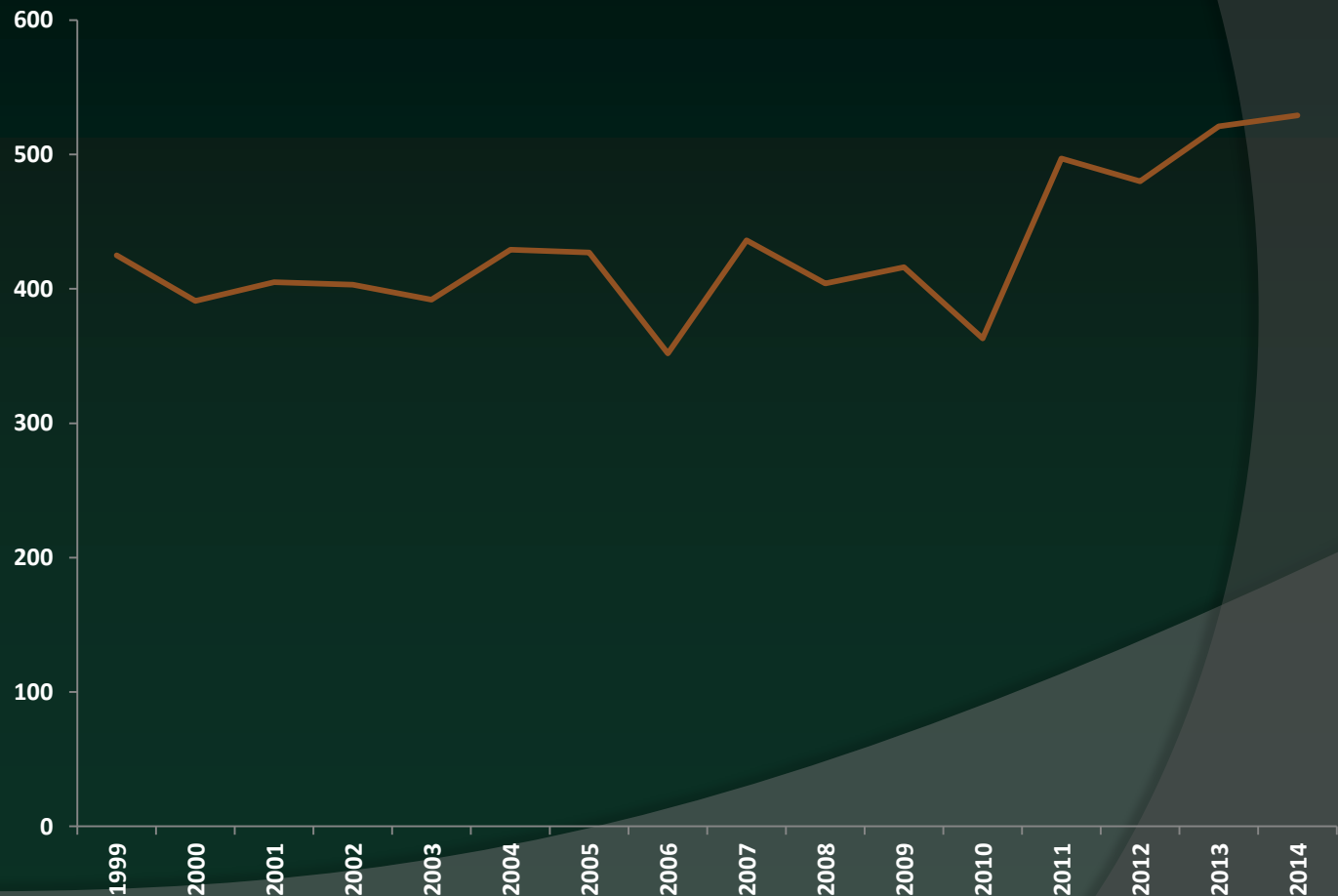
AAS: 15

BAS: 3

BS: 52

M or MS: 11

Ph.D.: 1





STUDENT PROFILE

- Average freshman ACT: 25 | GPA: 3.49
- 45% of our first-time, full-time freshmen receive a Pell grant
- 1st to 2nd year retention rate is 69%
- 55 Montana counties, 42 states, and 24 foreign countries

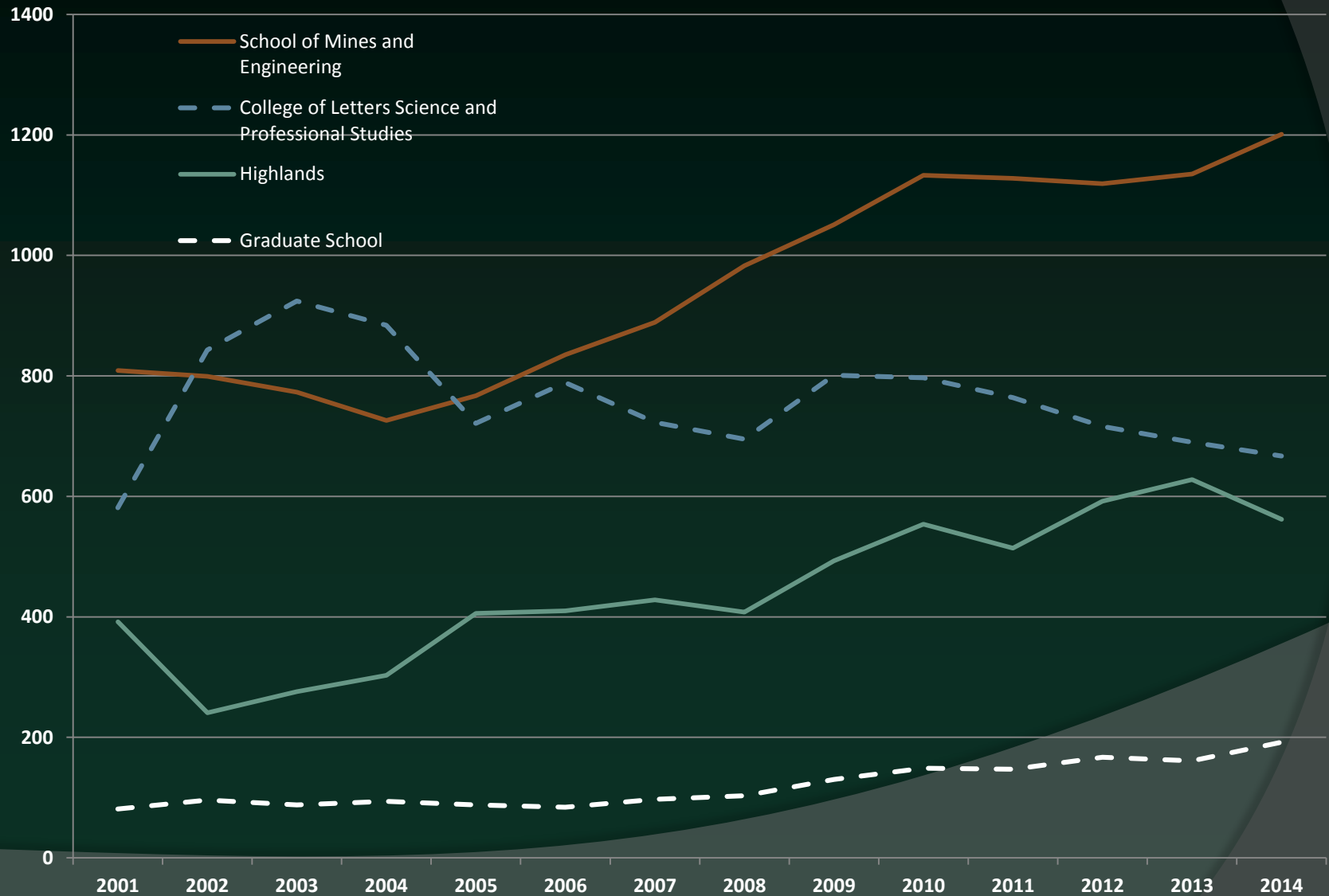


STUDENT PROFILE

- 71% of bachelor's degree awarded in STEM majors
- In 2013-14, 3rd year students scored higher than 94% of senior students at 252 baccalaureate, master's, and doctoral schools on the ETS Proficiency Profile Exam
- 93% placement rate for the past 10 years
- Average annual starting salaries:
 - \$38,265 College of Letters, Sciences & Professional Studies
 - \$63,945 School of Mines & Engineering
 - \$33,481 Highlands College
 - \$67,583 Graduate School



ENROLLMENT BY COLLEGE





EXEMPLARY GRADUATE EDUCATION

- Fall 2014 graduate enrollment is up 17%
 - 4 of 9 Materials Science Ph.D. students are at Montana Tech
 - Geoscience M.S. up 37%
 - Distance Industrial Hygiene Professional Track up 17%
- Ranked in *U.S. News and World Report* Best Online Graduate Engineering Programs





EXEMPLARY WORKFORCE DEVELOPMENT



- SWAMMEI Grant – TAACCCT Round III
To create cost-effective training programs, accessible from anywhere in the state, that link low-skilled workers with jobs that enhance our manufacturing and energy workforce and bolster the state's economic opportunities.
- Department of Labor Grant – TAACCCT Round IV
To help boost its health care job training programs, particularly for health care majors, adult learners, veterans and the unemployed.



EXEMPLARY SERVICE

- Students have built 20 Habitat for Humanity homes in the past 4 years
- Student-athletes and coaches donated approximately 1,800 volunteer hours in 2013/2014
- Institute for Educational Opportunities served 14,000 students and teachers from over 200 Montana communities in 2013





CAMPUS GROWTH

Improving the campus with new additions, expansions and renovations:

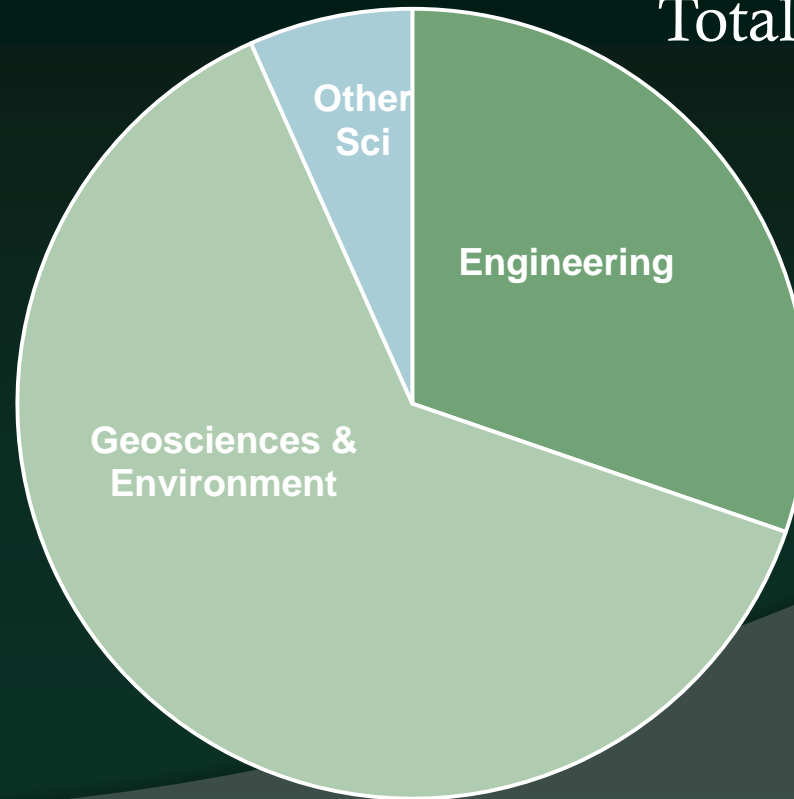
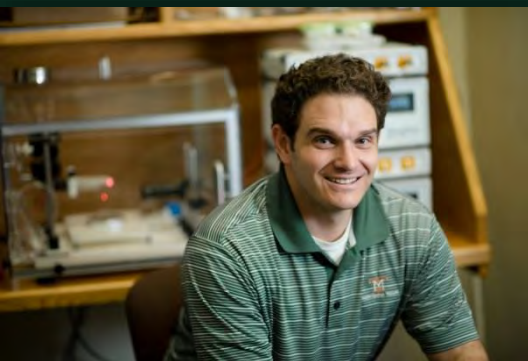
- Engineering Laboratory Building (*in the planning process*)
- Frank and Ann Gilmore University Relations Center
- Health Sciences Building
- HPER Facilities
- Mining & Geology Building
- Natural Resources Building





CAMPUS RESEARCH

FY 2013 Research Portfolio Focuses on Engineering and Natural Resources Issues



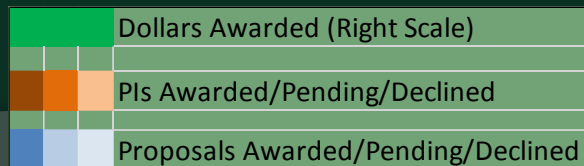
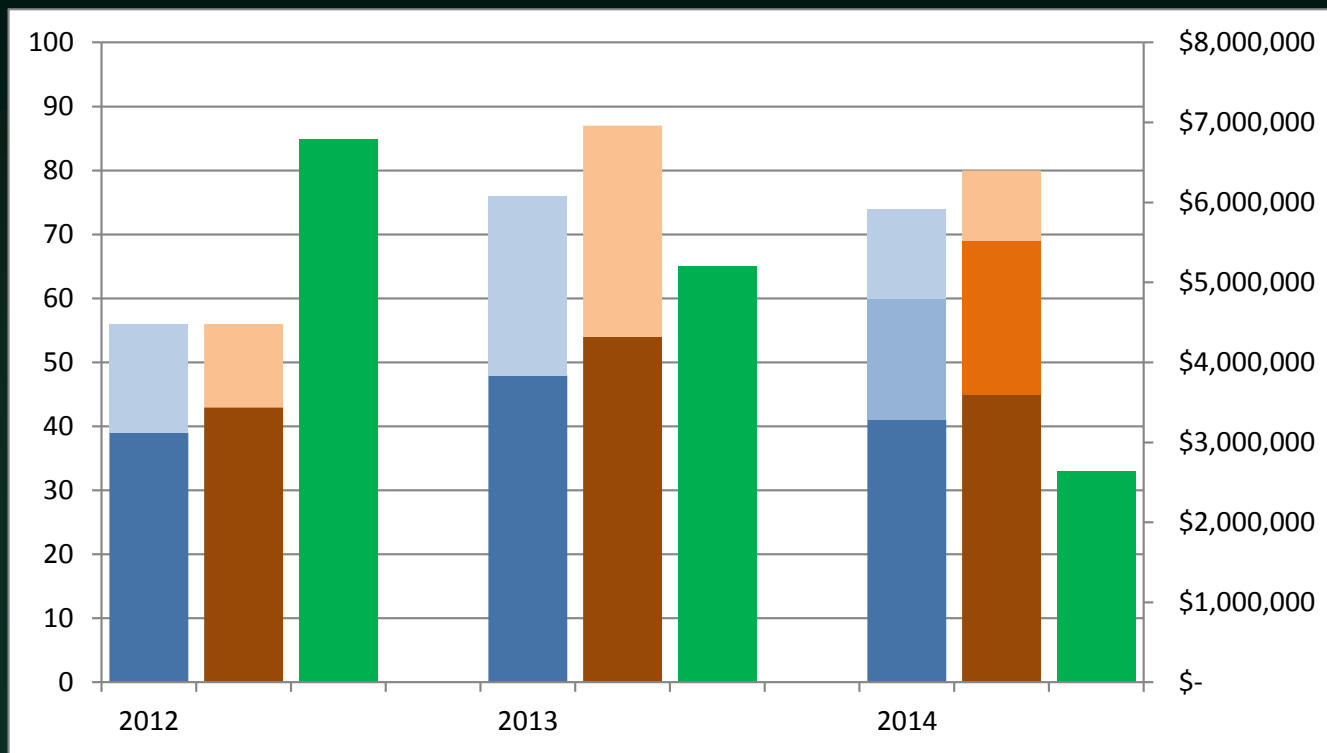
Total: \$11.1 M



CAMPUS RESEARCH



Proposal activity, participation, and funding: 2012-2014





CAMPUS RESEARCH

Mary MacLaughlin,
Professor of Geological
Engineering at Montana
Tech, named Council on
Undergraduate Research
2014 Geosciences
Undergraduate Research
Mentor



ACCOLADES & RANKINGS

**Affordable
Colleges Online**

HIGH ROI COLLEGES

affordablecollegesonline.org

Forbes



nerdscholar

Money

#1 Montana College for Best Lifetime ROI

AffordableCollegesOnline.Org

**8th in the nation for Highest Earning Engineering &
Computer Science Degrees**

NerdScholar.com

12th in nation in the 2014 Baccalaureate Colleges

Washington Monthly Magazine

23rd best public school and the 66th overall

Money magazine

2015 Best Western College

The Princeton Review

One of America's 650 Top Colleges

Forbes

2015 Military Friendly School

Victory Media



GETTING IT RIGHT

Montana Tech is the No. 1 school in a new “social mobility index” generated by CollegeNet and Payscale.

Rank	Institution	Annual tuition	Percent disadvantaged	Graduation rate	Average salary for recent grads	Endowment (millions)
1	Montana Tech, University of Montana	\$6,464	31.3%	50.8%	\$68,400	\$27
2	Rowan University	\$12,380	70.7%	70.0%	\$43,500	\$141
3	Florida A&M	\$5,785	91.7%	40.6%	\$43,600	\$108
4	California State Polytechnic University-Pomona	\$6,350	36.0%	56.6%	\$50,500	\$56
5	California State University-Northridge	\$6,525	64.6%	47.9%	\$43,700	\$64
6	University of California-Davis	\$13,895	30.7%	82.3%	\$50,800	\$204
7	Florida International University	\$6,496	64.2%	45.8%	\$43,000	\$133
8	University of California-Riverside	\$12,960	43.0%	68.1%	\$45,600	\$95
9	University of California-Berkeley	\$12,864	18.8%	91.1%	\$59,500	\$1,089
10	California State University-Stanislaus	\$6,491	51.8%	49.5%	\$43,000	\$9



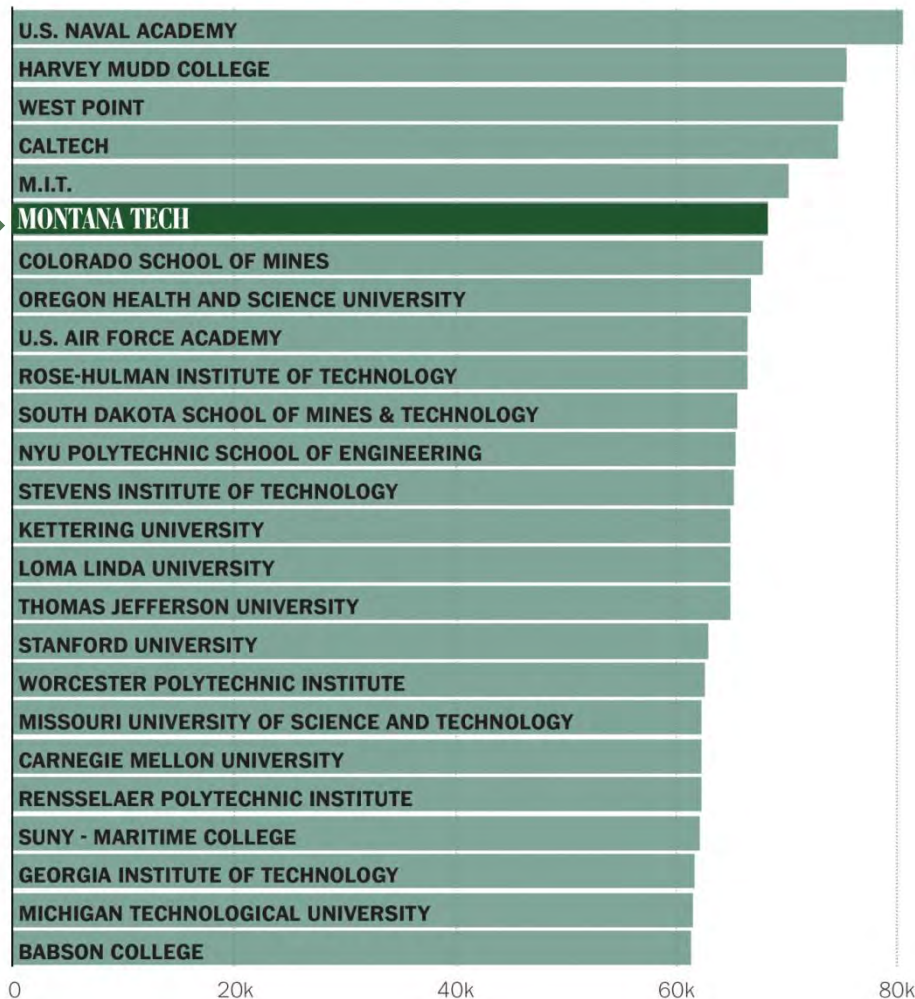
Colleges with the highest starting salaries

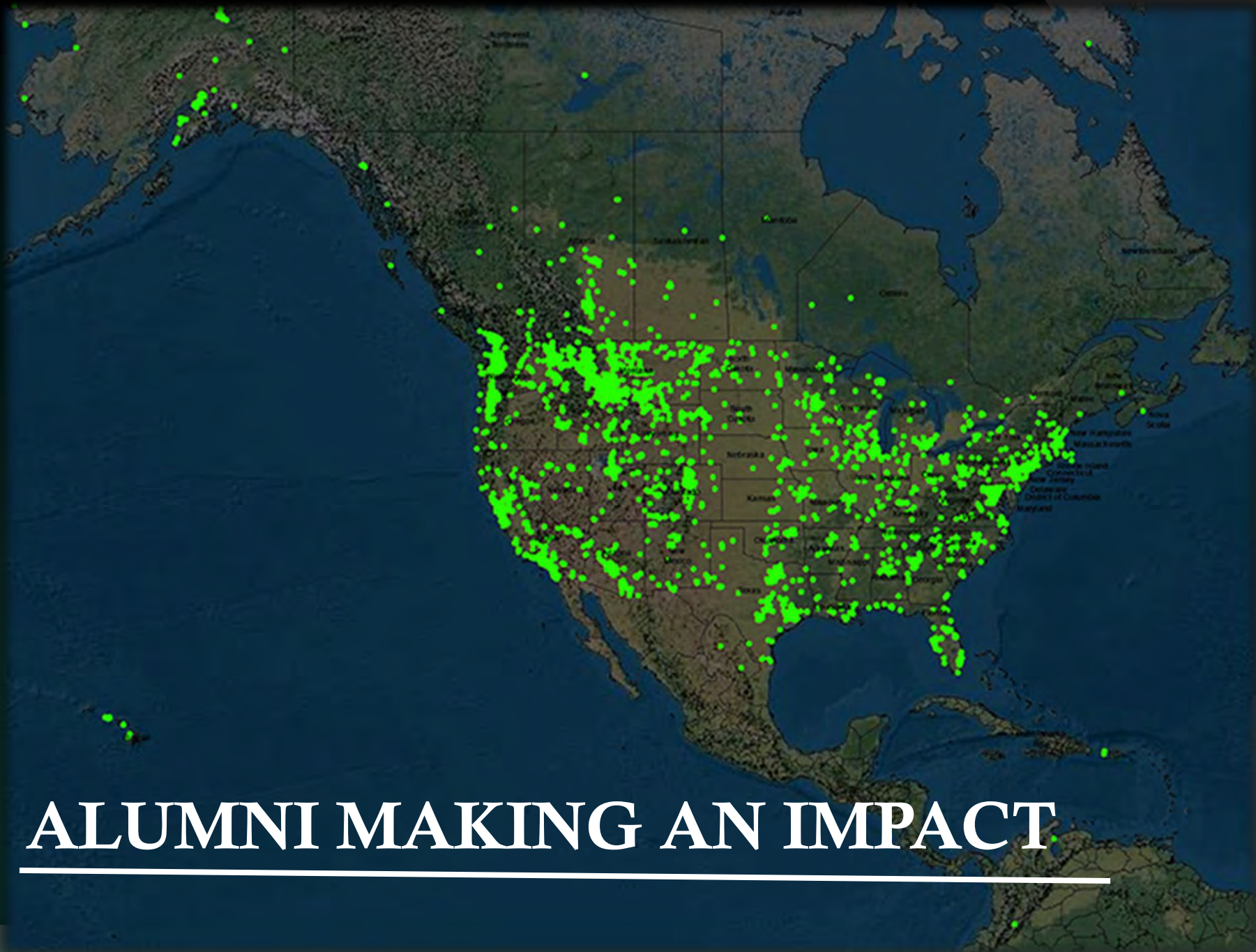
The Washington Post, September 2014

The Washington Post

Colleges with the highest starting salaries

Early/starting career salary (median for first 0-5 years)





ALUMNI MAKING AN IMPACT



MontanaTech

MONTANA'S STEM INSTITUTION