

CAMPUS UPDATE

Interim Chancellor Christopher G. Maples
Chancellor's Advisory Committee on African
American Recruitment and Retention, Oct. 29, 2017

MISSOURI
S&T



NEW LEADERSHIP



Dr. Christopher Maples
Interim Chancellor
May 2017



Dr. Neil Outar
Interim Chief
Diversity Officer
August 2017



Cuba Plain
Interim Vice Chancellor,
Finance and Operations
September 2017

ACADEMIC LEADERSHIP



Dr. Stephen Roberts
Vice Provost and Dean
College of Arts,
Sciences, and Business



Dr. Richard Wlezien
Vice Provost and Dean
College of Engineering
and Computing

NEW CHAIRS



Dr. David Borrok
Geosciences, Geological
and Petroleum
Engineering



Dr. David Duvernell
Biological Sciences



Dr. George Markowsky
Computer Science

RE-ALIGNMENT

In response to reductions in state funding and an anticipated drop in international student enrollment, Missouri S&T enacted a plan in July 2017 to reduce expenditures for fiscal year 2018 to balance the budget.

- Eliminated 36 vacant staff positions and 15 occupied staff positions
- Streamlined upper administration by reducing number of direct reports to the chancellor from 8 positions to 7
- Reduced number of provost's direct reports from 11 to 9

FALL 2017 BY THE NUMBERS

8,884 students: 6,920 undergrads and 1,964 grads

70% Missourians

18% out-of-state

11% international

77% men

23% women

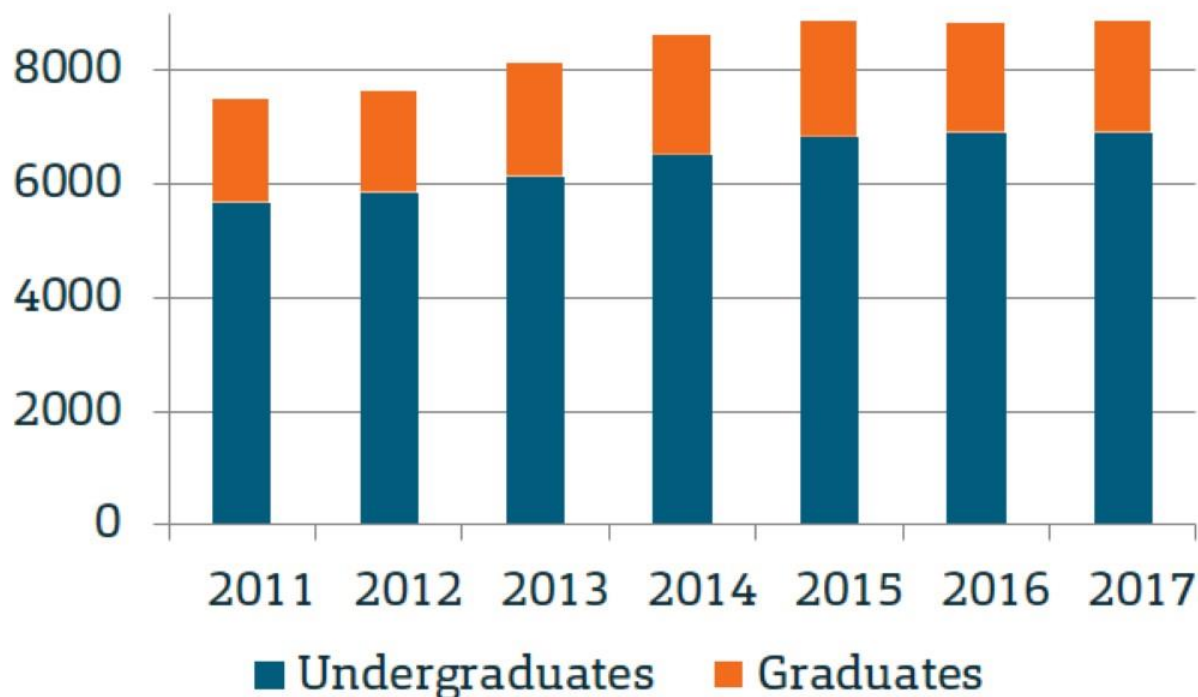
73% white

13% minority

11% international

2% not specified

Steady Enrollment



Totals may not equal 100% due to rounding.

EXPANDING RESEARCH

Total Research Awards

FY16 – \$33.5 million

FY17 – \$35.2 million

Federal Awards

FY16 – \$25.8 million

FY17 – \$26.4 million

Number of Research Proposals Awarded

FY16 – 314

FY17 – 330

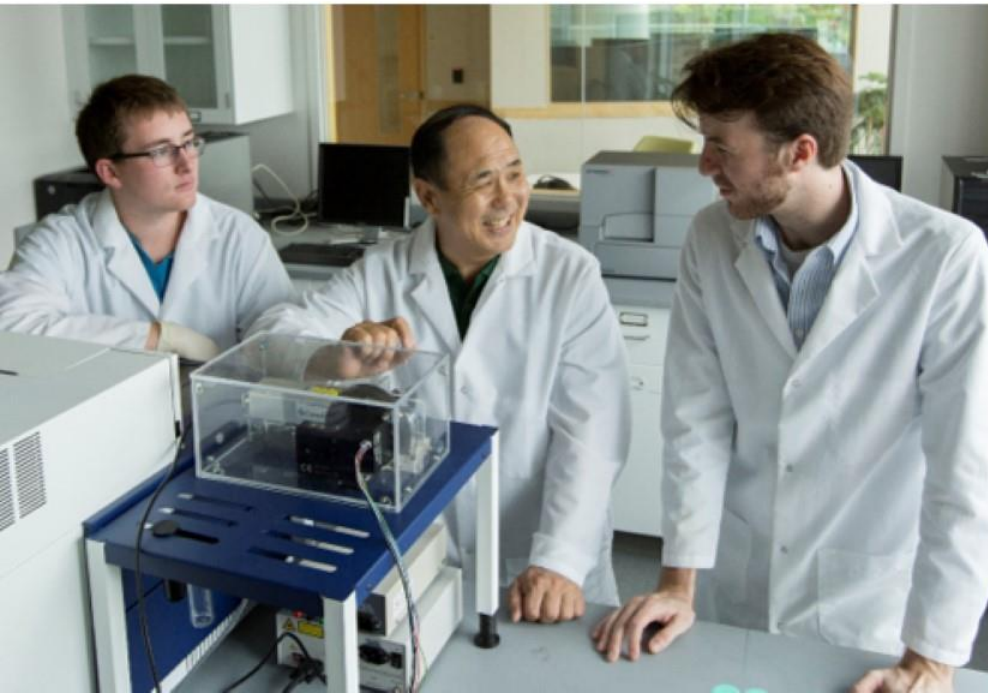


Dr. Julia Medvedeva, professor of physics, recently received a \$1.6 million grant from the National Science Foundation to study amorphous materials, such as those used for flexible or transparent screens.

INNOVATION AND DISCOVERY

Research that tackles the world's greatest challenges

Dr. Yinfa Ma's P-scan technology could provide early cancer detection
Bioactive glass fiber developed at S&T and MO-SCI speeds healing of wounds



ECONOMIC IMPACT

The state is served by Missouri S&T and UM System:

6,547 Missouri S&T students
from Missouri

2,616 S&T employees & retirees

21,027 S&T alumni residing
in Missouri

In Phelps County:

\$962,000 UM construction
projects with local vendors

\$3.5 million UM state tax
revenue

\$16.5 million UM federal
tax revenue

\$98.6 million UM salary and
retirement income



2016 data reported by UM System

EXPERIENTIAL LEARNING

Students required to complete experiential learning component

Examples of qualifying experiences may include:

- Internships
- Study abroad
- Research
- Community service
- Leadership
- Design teams



Katelyn Brinker, CpE, EE '17, joined S&T's Mars Rover Design Team her first week of college. As an intern at Southwest Research Institute in San Antonio, she helped write software for spacecraft that will travel to Jupiter.

WORLD CHAMPS

Missouri S&T Mars Rover Design Team
Winners of the 2017 University Rover Challenge



SUCCESSFUL GRADUATES

Return on Investment

8th in the nation for annual ROI

6th in the nation for public universities

1st in Missouri colleges and universities

2017 PayScale College ROI Report

Average
undergraduate
starting salary:
\$62,314

Average graduate
starting salary:
\$80,892

2017 Fall
Career Fair:
315 employers
3,800 students

*2016-2017 data from S&T's Career
Opportunities and Employer Relations*



BECOMING A NATIONAL LEADER

Advanced Construction and Materials Laboratory



Missouri S&T, UM System partner to fund project through gifts and university funds

BUILDING ON SUCCESS

Missouri S&T Biosciences Complex



Phase I: James E. Bertelsmeyer Hall
(Chemical & Biochemical Engineering)
\$22.3M—100% S&T + donors
Opened Fall 2014



Chemistry and Biological Sciences
building upgrade
(Phases II & III)

- Phase II: \$20M
(\$12M State; **\$8M S&T**)
- Phase III: \$54M request (~56% total project cost)

MISSOURI COMPACT

Missouri Compact for Education, Research, Engagement and Economic Development

- > In conjunction with the University of Missouri System, Missouri S&T is contributing to this system-wide plan for all four UM campuses
- > Much of our previous strategic planning has focused on processes and action items in strategic areas of compact
 - Excellence in Student Success
 - Excellence in Research and Creative Works
 - Excellence in Community Engagement and Economic Development
 - Inclusive Excellence
 - Excellence in Planning, Operations and Stewardship



THANK YOU! QUESTIONS?



MISSOURI
S&T