Engaging alumni and employers to prepare S&T students for success in the corporate world.
Ongoing
- Student Leadership Conference
- Mini Career Fair
- Etiquette Dinner
- Suit Closet
- Miner Trek

New to CDC
- Peer Mentor Training
  > Leadershape
- Alternative Weekend Breaks
- Greek Academy
Developmental opportunities include:
- Keynote speakers
- Affinity groups
- Workshops
- Round table discussions
- Structured networking activities
- Panel discussions
Perceived Impact on Participants

Impact on knowledge and/or ability

- Increase ability to plan for their future career: 3.35
- Increased ability to interact with individuals from diverse backgrounds: 3.28
- Increased ability to understand impact of diversity on organizations: 3.16
- Increased ability to conduct an effective job search: 3.44
- Increase ability to work in a global environment: 3.29
- Gained insight on how to be effective in the workplace: 3.39
- Increased leadership ability: 3.35
Mini Career Fair

Ameren

Cargill

Boeing

Caterpillar

Brinkmann

Cerner

Phillips 66

Union Pacific
Peer Mentor Training

One day training based-upon the nationally recognized Leadershape Curriculum.

- Chancellor’s Leadership Academy Coordinators
- Emerging Leaders’ Institute Peer Mentors and Coordinator
- Organizational Leaders’ Institute Peer Mentors and Coordinator
- Peer Involvement Advisors
- Greek Captains
- Miner Challenge Leaders
- Financial Aid
- Student Diversity, Outreach and Women’s Programs
- New Student Programs
- Joe’s PEERS
- Peer Involvement Advisors
- Greek Captains
- Residential Life Paraprofessionals (Resident Assistants and Senior Resident Assistants)
- Hall Government Leaders
Alternative Weekend Breaks

Opportunities to engage in communities beyond Rolla: St. Louis, Fall 2016

- Shortened immersive service experiences
- Student-led team leaves Friday afternoon
- Service and reflection all day Saturday and half of Sunday
- Return to Rolla Sunday afternoon
Greek Academy

Offers skill development opportunities to all members of the fraternity and sorority community.

- Officer Skill Development – open to officers of any fraternity, sorority or governing council.
- New Member Education – open to anyone who has joined a fraternity or sorority in the last year.
- Greek Emerging Leaders – this program is currently developing for a FS17 implementation.
EXECUTIVE LEADERSHIP

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

Dr. Richard K. Brow
Interim Vice Provost and Dean, College of Engineering and Computing

NEW CHAIRS

<table>
<thead>
<tr>
<th>Name</th>
<th>Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Joel Burken</td>
<td>Civil, Architectural and Environmental Engineering</td>
</tr>
<tr>
<td>Braden Lusk</td>
<td>Mining and Nuclear Engineering</td>
</tr>
</tbody>
</table>
STEADY ENROLLMENT

FALL ENROLLMENT

6,883 Undergraduates
1,881 Graduates
8,764 Total*

* Based on second-week enrollment; enrollment figures are finalized at the end of the fourth week.
ABOUT OUR STUDENTS

About our first-year students

38% involved in Project Lead The Way
22% attended an S&T summer camp
31% involved in VEX or FIRST Robotics
21% are first generation

Convocation for the largest group of incoming students in campus history.
• **Goal to add at least 100 additional faculty by 2020**, many in Signature Areas
• We have hired 43 of these faculty
• We have 4 additional faculty searches currently underway
• 11 faculty searches scheduled to begin this fall

**Strategic Plan Theme 2**: Enhance reputation and raise visibility
Faculty growth beginning to mirror enrollment growth
EXPANDING RESEARCH

NSF funding
FY15 – $6.5 million
FY16 – $8.9 million

Dept. of Defense funding
FY15 – $2.2 million
FY16 – $3.1 million

Number of research proposals awarded
FY15 – 262
FY16 – 314

Courtney Fiebelman, a recent applied and environmental biology graduate, studies fruit flies in a Schrenk Hall laboratory.
SIGNATURE AREAS

ADVANCED MANUFACTURING

Enabling Materials for EXTREME ENVIRONMENTS

Advanced Materials for SUSTAINABLE INFRASTRUCTURE

SMART LIVING
INVESTING IN OUR STUDENTS

Missouri S&T is significantly increasing funding for Ph.D., master’s students

- Initiative covers tuition and fees for qualified graduate students
- We are investing over $3M in new funds annually for the program
- Launched this fall
- Recipients of Chancellor’s Distinguished Fellowship will receive a $10,000 annual fellowship added to their appointment stipend

Strategic Plan Theme 4: Increase and facilitate meaningful access to and interaction with renowned faculty, staff and services
LEGISLATIVE PRIORITIES

- Support overall percentage increase to public institutions
- Completion of Schrenk Hall renovations at a cost of $52M
- Complete funding for the 50/50 project of $6M for the Advanced Construction Materials Lab
CELEBRATING MILESTONES

25: Leach Theatre
- Theater has hosted Broadway shows, orchestra concerts, comedy acts, universitywide addresses and film festivals — even events like freshman chemistry safety classes

50: Engineering management
- Growing discipline was invented under the leadership of Bernard Sarchet, founding department chair

100: Mechanical and aerospace engineering
- Centennial celebrations include an open house at Toomey Hall over Homecoming and a yearlong seminar series
FOR ALL YOU DO ...
Industry Day
October 13, 2016
Hosted by Corporate Relations
Global Learning
Education that fits.
Presenter:

Dr. Anthony R. Petrov
Assistant Vice Chancellor, Global Learning
What’s in a name?
What’s in a name?
The mission of Global Learning is to enhance S&T’s efforts in carrying out its educational mission by enriching the learner experience and supporting faculty excellence to meet the needs of campus, professional, and global markets in a way that promotes name recognition and generates revenue for the university.
Global Learning is to be a leader in the development, delivery and support of high quality education and training serving local and global markets.
How can we engage with your company?

- Lunch & Learns
- Company Visits
- Informational Webinars
- Technical Breakfasts
- Meet S&T Fairs
- Receptions
- Graduate Fairs
Why Choose S&T?

- **Flexibility and Course Delivery**: 36%
- **Program Availability**: 22%
- **Reputation/Academic Quality**: 37%
- **Ability to Move from Certificate to Master’s Program**: 5%

**94%**

Of student respondents said they would recommend Missouri S&T’s distance programs, citing academic quality and flexibility of course delivery.

(Spring 2016 survey results of current S&T distance students)

**24,429**

Student credit hours for AY2016 (up 8.9% from previous year)

**Over 2,500 students enrolled** in some type of off-campus distance program, including specific locations at Fort Leonard Wood, Missouri State University and Saudi Arabia.
S&T Global Learning — New Distance Student Profile

**TOP ACADEMIC PROGRAMS (By Enrollment)**
1. Engineering Management
2. Mechanical Engineering
3. Systems Engineering
4. Geotechnics
5. I/O Psychology/MBA/Civil Engineering

**Where our students live**

**Top 5 States**
- Missouri
- California
- Washington
- Illinois
- Texas

**Gender**
- Male 79%
- Female 21%
S&T Global Learning — Why Choose Us?

**Accessible**
- Over 15 years of distance education delivery
- Comprehensive online graduate programs (17 graduate degrees / 50 graduate certificates)
- Online training 24/7 access (non-credit)

**Achievable**
- 4 courses (12 credit hours) to complete graduate certificate
- 10 courses (30 credit hours) to complete master’s degree
  ***certificate courses may count toward degree***
- Online training programs delivered in short, focused segments with quizzes, final exam and certificate of completion documenting PDHs earned

**Affordable**
- Save time and money by partnering with S&T for the educational and training needs of your company
Academic Quality

Course content/degrees same as on campus
- Transcript & degree are not flagged as distance/online
- Almost 200 distance classes taught each fall/spring semesters
- Small class size (15 – 20 students)

Majority of credit courses taught by tenured faculty
- Student – faculty interaction
- Over 15% of faculty are fellows of their professional society

Training programs taught by experts
- Tailored courses developed by experts in academia and industry
- PDHs for licensed professionals through online training programs, conferences, seminars

15 online programs ranked among the nation’s best by U.S. News & World Report (January 2016)
Over 50 Graduate Certificates Available
Example: Project Management (EMGT)

- EMGT 5210 Economic Decision Analysis
- EMGT 5320 Project Management
- EMGT 6322 Case Studies in Project Management
- EMGT 6323 Global Project Management

GRE not required
Must achieve “B” or better in required courses for entry into sponsoring graduate degree program without GRE

3 semester credit hours may transfer (approval required)

Credit earned counts toward degree

Company project may count for one course

Cumulative GPA 3.0 required to receive certificate
Over 50 Graduate Certificates Available
Example: Business Analytics and Data Science

Big Data Online Graduate Program in the nation
(Value College’s Top 50 Best Value Online Big Data Graduate Programs of 2016)
Graduate Degree Programs

Systems Engineering

30 credit hours (36 credits for thesis) to complete MS in Systems Engineering

Earn 12 credits toward degree when you obtain a graduate certificate (4 of the core courses needed for MS)

2 core courses (6 credits) remaining

4 specialization courses (12 credits), which could include earning a certificate from another department

6 credits of research, if pursuing thesis

Remaining Core Courses (6 credits)

Research Component for Thesis (6 credits)

Specialization Courses (12 credits)

Systems Engineering Certificate (12 credits)

Systems Engineering MS

10 courses to complete*
Thesis option available for some programs

Dual MS option available
Approval required

Doctorate degrees (PhD/DE)
Available on a case-by-case basis. Interested students should contact academic department for details.

Transfer up to 9 credit hours
Approval required

* MBA and I-O Psychology require 12 courses
Graduate Degree Programs – distance.mst.edu

- Aerospace Engineering (MS)
- Business Administration (MBA)
- Civil Engineering (MS)
- Computer Engineering (MS)
- Computer Science (MS)
- Electrical Engineering (MS)
- Engineering Management (MS)
- Environmental Engineering (MS)
- Explosives Engineering (MS)

Doctorate Degrees (PhD/DE) are available on a case-by-case basis.
Graduate Degree Programs

Graduate Degree Programs – distance.mst.edu

- Geotechnics (ME)
- Industrial-Organizational Psychology (MS)
- Information Science and Technology (MS)
- Manufacturing Engineering (MS/ME)
- Mechanical Engineering (MS)
- Mining Engineering (ME)
- Systems Engineering (MS)
- Technical Communication (MS)

Doctorate Degrees (PhD/DE) are available on a case-by-case basis.
Facilities and Technical Support

Facilities include eight fully-equipped distance classrooms on the Rolla campus (seven HD video-capable) and three classrooms at Missouri S&T Global-St. Louis.

Twenty-seven staff members (19 media production specialists) provide technical support through the Video Communications Center (VCC).

Instructional designers work with faculty to enhance course delivery.

Personalized student support services are available.
The classroom has evolved — And it’s not how you remember it.
Traditional Classroom

- Face-to-face physical classroom with fixed time and location
- Structured/lacks flexibility
- Primarily lecture-based
- Physical access to faculty, advisers, and support services
Online Classroom

> Learning management system
> Use of additional technology
> More flexibility in scheduling course work, interaction, and location
> Online interaction with faculty, content, and student peers
> Faculty interact and guide learning through threaded communication
Blended Classroom

> Combines face-to-face interaction with flexibility of online classroom

> Instructors have more options to incorporate learning tools and strategies into curriculum

> More ways for students to interact with content than traditional lectures

> Reduced synchronous in-class seat-time
S&T Global Classroom

> Learning Management System compliments video lecture
> Enables use of additional technology
> Flexible time and location, synchronous or asynchronous
> Live instructional presence, green screen technology
> Students link to live classroom
> Dedicated media producers and technology support
> Instructional designers
> Personalized student support

S&T Global

Combines the best features of traditional, online and blended classrooms to enhance the learner experience.

Media production specialists and instructional designers work with faculty to implement the best teaching practices and enhance course delivery.
Looking toward the future: S&T Global-Kansas City

• Located in the Northland Innovation Campus, Suite 310
• Classes start Spring 2017
• Facilities will be designed to house a meeting space in addition to classrooms
VALUE

to Corporate Customers

• Flexibility to fit your requirements
• Access to experts for tailored content
• Multiple delivery options
  • Face-to-Face
  • Online (asynchronous, interactive or combination)
  • Location – in-house, on-campus or anywhere in between
Professional Development

- Technical Conference
  regional, national and international
- Short Courses and Seminars
- Webinar Forums
- Non-Credit Certificate Programs
- Online Professional Development
Online Professional Development

Asynchronous courses (available 24/7) delivered in short segments that allow professionals to quickly acquire new material without serious work interruptions

Flexible completion requirements

Exams and certificate of completion automatically generated and archived

Online e-commerce access to all courses
How can we build stronger and more productive partnerships with companies?
Thank You
Student Panel

> Internship, Co-op, Miner Trek and Externship experiences
> What do students want in an employer? What are the most important things students look for?
> What are the most effective ways to communicate with students?
> What type of events are students excited to attend?
> What was the biggest takeaway from your experience that you believe will help you when you graduate?
> How did your undergraduate involvement prepare you to be a career ready graduate?

> How did your involvement correlate to the real world?
Annual Membership Fee Update

Payment can now be submitted online: http://stuaff.mst.edu/officeofthevicechancellor/cdc/
Funding

Previous Requests

> Student Leadership Conference
  – National Collegiate Leadership Conference
> Miner Challenge
> Back-Pack to Briefcase
> Student Leadership Recognition Banquet
> Professional Speakers

Current Requests

> Student Leadership Conference: $10,000
> Peer Mentor Training: $3,000-$4,000
> Etiquette Dinner: $3,000
> Alternative Weekend Breaks: $2,500
> Miner Trek: $500-$2,500
> Greek Academy: $1,500 (one-time)
> Suit Closet: $500-$1000
Leadership Course

> Dr. Jerri Arnold Cook, Director of Leadership and Cultural Programs
> Dr. Susan Murray, Professor and Interim Department Chair Psychological Science
Foundations of Leadership: Where Theory and Application Meet

Psychological Science or Engineering Management Credit
Option to Earn Emerging Leaders’ Institute Certificate
Two Hours of Lecture and Missouri S&T is Lab
Class Activities and Homework Includes:

- Exploration of Theory and Research
- Self and Peer Leadership Evaluations
- Student Organization Values Analysis
- Interview of S&T Administrator
- Movie Analysis
- Experiential Learning Activities
Student Leading Student Presentations

> Emerging Leaders Institute
  – Elizabeth Popoola
  – Sheshan Wijeratna Mahavidanalage
Emerging Leaders’ Institute

Earn a Certificate Attending Workshops on
Five Exemplary Practices of Leadership
Communication
Holistic Leadership
Goal Setting

Develop a Leadership Development Plan
Establish a Relationship with a Peer Mentor
Student Leading Student Presentations

> Greek Academy
  - Cassondra Golden
  - Anne Safron
Fraternity & Sorority Life

Community • Growth • Understanding

Student Involvement and Leadership Center
218 Havener
573-341-7877
greeks@mst.edu
studentlife.mst.edu/greek
Welcome & Introductions

Cassie Golden  Anne Safron
This program was created as an opportunity for newly initiated chapter members to go through an experience focused toward fostering growth, creating understanding, and empowering our community.

As a result of the program our students will:

– hear about campus resources
– network and build connections with members from across all chapters
– learn from upperclassmen peer mentors called Greek Captains
This program was created as an opportunity to provide campus specific training to support chapter officers starting/continuing leadership positions. It is also meant to supplement training opportunities provided by each organization's (inter)national headquarters.

Students will have the opportunity to learn about leadership and skill development from:

- S&T Greek Alumni
- S&T Faculty and Staff
- Greek Life Professionals (campus, headquarters, etc.)
This program is dedicated to building up leadership potential of our community members and empowering individuals to take positions of leadership within the community.

STARTING: FALL 2017
Career Opportunities and Employer Relations: Miner Trek
  – Spring semester trip to Jefferson City, MO

Leadership and Cultural Programs: Organizational Leaders’ Institute
  – 360 Student leadership evaluation
  – Capstone project: taking on a leadership position in a project

Student Life: Local volunteerism
  – New programs
    > Second Saturday Service
    > Alternative Weekend Break program
Breakout Sessions on Missouri S&T Initiatives

> CASB majors- expanding recruitment
  – Identify the advantages of hiring CASB students.
  – Explore techniques to encourage employers to expand their recruitment at Missouri S&T.

> Industry mentor programs and/or leadership institutes
  – Discuss the purpose of mentoring programs, structure, and purpose they serve.

> Employers encouraging employees to give back to organizations- tied to lifelong engagement
  – Exploring reasons, potential means of encouragement, and how professional development is demonstrated as a value.
Breakout Sessions on Missouri S&T Initiatives

> CASB majors- expanding recruitment
  – Shamrock Room

> Industry mentor programs and/or leadership institutes
  – Meremac/Gasconade Room

> Employers encouraging employees to give back to organizations- tied to lifelong engagement
  – St. Pat’s Ballroom B
Lightning Rod Wrap-Up
Upcoming Engagement Opportunities

> Career Opportunities and Employer Relations: Contact Sammatha Wilcox, sammatha@mst.edu
  > Resumazing: September 20, 21, and 22, 2016 from 12:00 PM-4:00 PM.
    > Member can assist with reviewing resumes for students.
  > Etiquette Dinner: October 11, 2016 from 5:00 PM-7:00 PM.
    > Members can host a table.

> Student Life: Contact John Gallagher, gallagherjo@mst.edu
  > Stand Up Stand Out, women’s empowerment and leadership program, October 1, 2016
    > Members can be a sponsor, presenter, or attendee.
  > Alternative Weekend Break trip partner; St. Louis in October.

> Student Affairs: Contact Sara Lindeman, stryffelers@mst.edu
  > The Professional in You: October 4, 2016 from 5:30-8:30 PM
    > Members can present and serve on an employer panel.
Upcoming Engagement Opportunities

Leadership and Cultural Programs: Contact Dr. Jerri Arnold-Cook, arnoldcookj@mst.edu

- Chancellor’s Leadership presentations
  > October 26th, 2016 at either 4PM or 5PM
  > November 2nd, 2016 at either 4PM or 5PM
  > November 9th, 2016 at either 4PM or 5PM

- Student Leadership Conference: February 4, 2017
  > Various student engagement opportunities.
Speed Dating: Power Introductions (Sponsored by COER), St. Pat’s Ballroom B

*Students will give their Power Introductions and CDC members will evaluate and advise them in a speed-dating style practice session. This event provides just in time practice for our students prior to the career fair resulting in a better career fair experience for all.*

Marketing Your Experience CDC Panel (Sponsored by Student Life), Meramec-Gasconade Room

*Students develop a comprehensive set of skills through their leadership experiences with organizations and activities on campus. CDC members have the opportunity to help students make sense of what they’ve accomplished and how to articulate it in an interview.*
Mark Your Calendars for the Next CDC Meeting

Wednesday, March 8, 2017