Lever 1.2: Foster innovation and creativity

We have begun implementation of a Learning Commons that will include a new multi-media center, an innovative co-lab space with high-performance computers and a 3-D printing service open to students. In addition, the Learning Commons will feature practice presentation rooms and a visualization wall.

Lever 2.5: Utilize new technology to enhance student learning

During the past academic year, Missouri S&T introduced nine new online courses and one blended course. The Missouri S&T campus embraces technology and blended learning, with 18 of 19 departments offering blended classes.

In fall 2014, we launched an interactive lab pilot for Calculus I. Also launching in fall 2014 is a pre-calculus online video library. This library of short videos is available to all Missouri S&T students.

3.1: Evaluate current academic programs

Based on an initial examination of programs, the campus has added new academic offerings this fall:

+ Ph.D. in explosives engineering
+ STEM-focused elementary education certification through B.A. in multidisciplinary studies
+ Minor in entrepreneurship

Measuring our success

All academic affairs departments have established productivity measures in two primary areas: external measures that are designed for comparison to other institutions and internal measures that are designed for departmental comparisons at Missouri S&T.

Lever 3.4: Promote inclusion and increase diversity

As our student population continues to grow and become more diverse, it’s important that we make services to our students as accessible and convenient as possible.

Fall 2013 had an increase of 107 in female enrollments. Increasing diversity on campus is central to the strategic plan and the campus vision. Diversification of the student demographic necessitated aligning services and programs on campus.

In 2014, Missouri S&T acquired 11th Street property to bring Student Diversity, Outreach and Women’s Programs under one roof. Currently, the programs are housed in two different locations on campus. Renovation has already begun and will be complete in early 2015.
**Lever. 2.1: Employ transformative and focused hiring**

We have added 17 new faculty members and are recruiting for 19 additional faculty this academic year, ensuring that Missouri S&T will continue to foster close-knit interactions between students and faculty members while enhancing key academic areas. By 2020, we should have more than 100 additional faculty on board — a 30 percent increase. Many of these new faculty members will contribute to our multidisciplinary signature research areas.

**FIFTEEN**

TOTAL NUMBER OF U.S. PATENTS IN FY14. THIS IS UP FROM 11 IN FY13

**22**

TOTAL LICENSE AND OPTION AGREEMENTS IN FY14. THIS IS UP FROM 16 IN FY13

**$37,000,000**

TOTAL NET GRANT RESEARCH EXPENDITURES IN FY14. THIS IS UP FROM $36.3M IN FY13 AND $34.6M IN FY12

**FOUR**

NEW MULTIDISCIPLINARY SIGNATURE RESEARCH AREAS WERE IDENTIFIED IN FY14

- Advanced Manufacturing
- Advanced Materials for Sustainable Infrastructure
- Enabling Materials for Extreme Environments
- Smart Living