

PROGRAM DESCRIPTION

Department of Higher Education and Workforce Development
 Program Name: Missouri S&T and MSU Engineering Expansion

HB Section(s): 3.220 & 3.255

Program is found in the following core budget(s):

	University of Missouri	Missouri State University	Total
GR	528,000	528,000	1,056,000
Federal			
Other			
Total	528,000	528,000	1,056,000

60% of the previous \$2.0 million appropriation level, or \$1.2 million provided in FY 2019 less 3% reserve
 In FY 2021, there was an 9% core reduction and 3% statutory withhold, which is \$1,056,000.

1a. What strategic priority does this program address?

Access and success

1b. What does this program do?

In 2008, Missouri University of Science & Technology (S&T) entered into a partnership with Missouri State University (MSU) to provide undergraduate degree programs in Civil Engineering and Electrical Engineering. In FY 2017, MSU and Missouri S&T jointly requested and received an expansion of the partnership to deliver undergraduate Mechanical Engineering programs. \$2.0 million was appropriated with each institution to receive \$1.0 million, but expenditure restrictions limited the funding to start this program. Appropriations for FY 2018 were reduced and then subject to expenditure restrictions of the full appropriation. Beginning in FY 2019, this program is no longer a separate line item but was rolled into UM and MSU Core at 60% of the previous \$2.0 million appropriation level.

This program will increase the accessibility of engineering education in Missouri and, in particular, the rapidly growing southwestern part of the state. This growth is driven in part by expanding technology-based industry in the region which requires more engineering graduates. By leveraging the existing partnership between Missouri S&T and MSU, a significant increase in engineering degrees delivered in Springfield can be realized in a cost-effective manner.

Staffing costs will be incurred by both institutions and distance education costs are part of S&T's budget. The engineering students on the MSU campus are S&T students but receive non-engineering courses and student services at MSU. The appropriation supports the personnel and distance education costs for the program as well as the student service costs.

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2a. Provide an activity measure(s) for the program.

Base Target: Additional students to be enrolled to this joint program to increase the number of mechanical engineers.

FY 2020 Actuals	FY 2021 Planned	FY 2022 Planned	FY 2023 Planned	FY 2024 Planned	FY 2025 Planned
0	50	75	100	100	100

Stretch Target: Additional students to be enrolled to this joint program to increase the number of mechanical engineers.

FY 2020 Actuals	FY 2021 Planned	FY 2022 Planned	FY 2023 Planned	FY 2024 Planned	FY 2025 Planned
0	60	100	140	180	180

In addition to these admitted students, it is anticipated there will be change of degree admits from other majors.

2b. Provide a measure(s) of the program's quality.

In accordance with CBHE Administrative Rule 6 CSR 10-4.010 Submission of Academic Information, Data and New Programs, this program has received provisional approval from the Commissioner of Higher Education and Workforce Development as an off-campus delivery of the existing S&T degree program. The program will be reviewed in five years by the CBHE board for consideration of moving from provisional to full approval.

This cooperative program is delivering the S&T mechanical engineering degree, and uses the same standards for admission, evaluation, assessment, and program delivery. Students from this program should attain similar graduation rates and job placement rates as students enrolled on the S&T campus. The S&T mechanical engineering degree is accredited by ABET. The off-campus delivery will be included as part of this accreditation, and must satisfy all of the ABET criteria. The regular six-year ABET evaluation is occurring in 2020, with the documentation submitted in July and the formal evaluation scheduled in December. The documentation and evaluation will provide evidence that the MSU cooperative is a delivery mode that is consistent with the on-campus delivery of the degree.

2c. Provide a measure(s) of the program's impact.

80% of graduating students will be employed or enrolled in graduate school within 6 months.

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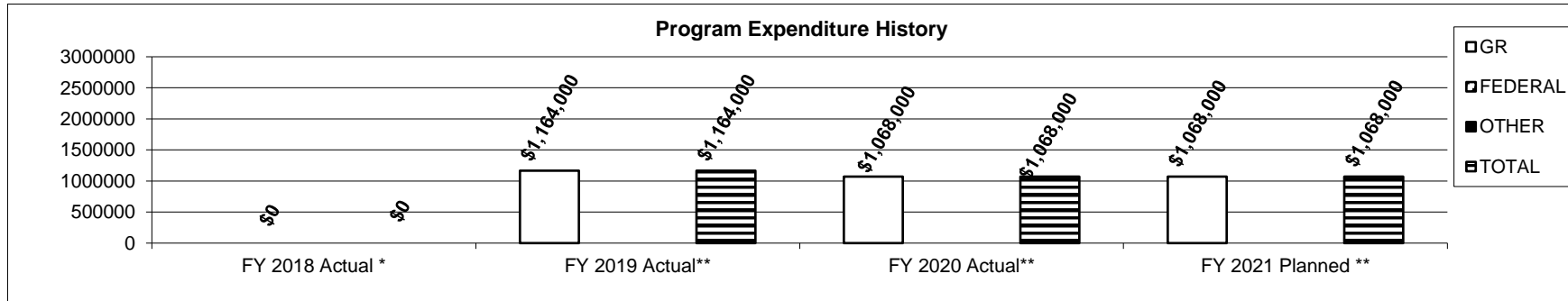
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2d. Provide a measure(s) of the program's efficiency.

Number of degrees awarded from joint mechanical engineer program based on stretch target:

FY 2024 Planned	FY 2025 Planned	FY 2026 Planned	FY 2027 Planned
35	40	40	40

3. Provide actual expenditures for the prior three fiscal years and planned expenditures for the current fiscal year. (Note: Amounts do not include fringe benefit costs.)



*Net of Governor's expenditure restriction. The expenditure data reflects equal appropriation to both institutions

** No longer a separate line item, rolled into UM and MSU Core at 60% of previous \$2.0 million appropriation level in FY 2019, or \$1.2 million less 3% reserve. In FY 2020 there was a 12% core extraordinary withhold plus a 3% reserve, and in FY 21 there was a 9% core reduction plus 3% reserve.

4. What are the sources of the "Other " funds?

None

5. What is the authorization for this program, i.e., federal or state statute, etc.? (Include the federal program number, if applicable.)

Missouri University of Science and Technology is a component of the University of Missouri under State statutes Section 172.010 - 172.950, RSMo. Missouri State University is authorized in Section 174, RSMo.

6. Are there federal matching requirements? If yes, please explain.

No

7. Is this a federally mandated program? If yes, please explain.

No

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NO