

**G. Title IV, Part A: Student Support and Academic Enrichment Grants**

Local schools have significant latitude to determine the allowable uses of Title IV, Part A funds most closely aligned to local need. The state level perspective for these needs includes an understanding that many schools, especially smaller and outstate ones, lack adequate resources to provide access to advanced coursework. While this is often attributed to a lack of qualified teachers, a confounding factor is the fact that outstate schools often lack sufficient connectivity to supply coursework virtually. Missouri is fortunate to have a current statewide government effort to ensure that every school has a minimum bandwidth of 100 kbps per student.

Use of Funds (ESEA section 4103(c)(2)(A)): Describe how the SEA will use funds received under Title IV, Part A, Subpart 1 for State-level activities.

MO-DESE has a single area of critical need for state-level activities under Title IV, Part A, Subpart 1. A recent statewide analysis of advanced course offerings in mathematics and science indicated that a significant number of high schools do not offer, and consequently a significant number of students do not have access to, advanced coursework. The table below provides examples of courses that have limited availability to students.

The need for proper preparation in STEM areas is critical for both students’ future success and for the economic health of our state and nation. In addition to the content of the courses, the development of critical thinking through problem solving is embedded in the pedagogy of these courses.

Course	Number of high schools not offering the course in the last three years	Percentage of high schools not offering the course in the last three years	Number of Juniors and Seniors lacking access to course during the 2016-2017 school year
Trigonometry	124	23.6%	10,508
Calculus	151	28.7%	3,833
Statistics	290	55.1%	13,537
Physics	451	85.7%	26,761
Advanced Biology	76	14.4%	2,211

To overcome the lack of course availability, MO-DESE intends to improve access to advanced coursework for all students, but particularly for minorities and economically disadvantaged students and for those whose rural or small school settings reduce their access. MO-DESE may also subsidize fees for AP and IB courses. Furthermore, where advanced coursework, including advanced mathematics and science are locally unavailable, MO-DESE will subsidize course fees for the Missouri Virtual Instruction Program.

1. Awarding Subgrants (ESEA section 4103(c)(2)(B)): Describe how the SEA will ensure that awards made to LEAs under Title IV, Part A, Subpart 1 are in amounts that are consistent with ESEA section 4105(a)(2).

MO-DESE will ensure no allocation is below \$10,000 through its internal fiscal and performance management controls.