

ASACR 8

Office of the President
May 1, 2018

Members, Board of Trustees:

ACADEMIC DEGREE RECOMMENDATION:
COLLEGE OF EDUCATION

Recommendation: that the Board of Trustees approve the establishment of a Master of Arts in Teaching (MAT) degree with a major in Secondary STEM Education, in the Department of Science, Technology, Engineering, and Mathematics Education within the College of Education, beginning in the Fall 2018 Semester.

Background: The proposed program will provide candidates interested in teaching secondary science, technology, engineering, and math (STEM) disciplines with a Master of Arts in Teaching, allowing them to teach appropriate courses in grades 8-12 in Kentucky.

The required coursework includes a sequence of STEM education methods and seminar courses, as well as courses in core education areas such as educational psychology, special education, education policy, literacy, and assessment. Consistent with other teacher preparation courses at the University of Kentucky, the MAT in Secondary STEM Education will follow a clinical model with a sequence of research/industry externships, diverse field placement, and student teaching.

The United States continues to face drastic shortages in STEM teachers, especially in Kentucky. A key way to address this problem is to provide multiple, flexible programs offering different pathways into STEM teaching. Traditional benchmark institutions and institutions across Kentucky all offer a MAT route to certification. The proposed MAT in Secondary STEM Education program will be the most compact program in the state (*e.g.*, can be completed in one calendar year).

The proposed Program has the approval of the appropriate councils and the University Senate and has completed the 30-day review process of the Council on Postsecondary Education. The Provost of the University supports this recommendation.

Action taken: Approved Disapproved Other _____