

MEMORANDUM

To: School Superintendents and Principals

From: Dr. Jennifer Jensen, Assistant Director, Curriculum and Instruction
Dr. Kenneth Folks, Chief Academic Officer

Date: December 21, 2018

Re: Analytical Algebra II – Course Number 2524

Guidance:

The State Board of Education approved a new math course, Analytical Algebra II, at the December board meeting. Because of the importance of STEM and workforce needs, an effort was made to make the course applicable, project-based, and inquiry-based, with a focus on contextual problems rather than symbol manipulation. Based on educator feedback, there is an emphasis on the use of technology to analyze higher order functions, as opposed to requiring calculations to be done by hand. Additionally, as per the requirement of HEA 1426, Analytical Algebra II has the appropriate rigor to prepare students for postsecondary opportunities. The Analytical Algebra II standards can be found [HERE](#). Additionally, multiple professional development opportunities will be offered by the Office of School Improvement to support teachers in the implementation of this course.

Analytical Algebra II can be added to a school's course offerings for the 2019-2020 school year. However, in order to be approved for the Core 40 diploma designation, the Board regulations must be updated through rule making which is now in process. Finalization of the regulations is expected in the next few months. Thus, this is preliminary guidance.

Additionally, if a student enrolls in Analytical Algebra II to satisfy the Core 40 designation requirement, both the parent and the student must provide consent to the school to enroll in that course. The Board, in conjunction with the Commission for Higher Education, is in the process of developing this consent form, informing both student and parent that the enrollment in Analytical Algebra II might affect the student's acceptance into particular postsecondary programs or institutions.

If you have any questions, please contact Dr. Jennifer Jensen at (317) 232-6673 or email jjensen@doe.in.gov.