



College Career Math Ready

The Issue

Students who take remedial coursework in college are less likely to complete an undergraduate program and earn a degree or credential. In Oklahoma, approximately 35 percent of students are required to take a remedial math course in college. In response, Oklahoma is addressing this issue with a free, engaging and effective elective course.

Course Overview

The College Career Math Ready (CCMR) elective course is designed to support students in mathematics who have earned a 13-18 on their ACT or 720-1100 on their SAT. The CCMR elective course provides students an opportunity to review critical concepts from middle and high school mathematics to ensure student readiness for entry-level, credit-bearing mathematics coursework in college.

The course goes beyond memorizing mathematical formulas or facts and engages students in learning experiences that help them foster a deep understanding and application of math concepts. Students learn the context behind mathematical procedures and develop an understanding of when and how to connect mathematical formulas and methods to real-world situations. This course helps students develop the critical thinking skills needed for college and careers.

Benefits of the Course

- Students collaborate with others in learning experiences that connect content from middle school through Algebra 2 and **actively engage in 21st-century skills** that are relevant and necessary for success in college and entry into the workforce.
- **Students and parents save money** because they are less likely to pay for non-credit bearing remediation coursework in college.
- Oklahoma students who have completed the course see **typical gains of 2-3 points on their ACT** composite score.

How to Implement the Course in Your School

- **Training is required to teach the CCMR course.** You can find training dates and additional information on the [OSDE College Career Math Ready webpage](https://sde.ok.gov/CCMR) (sde.ok.gov/CCMR).
- All CCMR instructional materials (i.e., lessons and instructor guidance) for the course are **provided free** by the Southern Regional Education Board on their [SREB Math Ready webpage](https://sreb.org/math-ready) (sreb.org/math-ready).
- While the curriculum and training are free, there are costs associated with printing, supplies and possible stipends when sending teachers to the free trainings. For all of these costs, **Title IV, Part A funds may be utilized.**

Who should enroll in this course?

- **The ideal student for this class has plans to attend a two-year or four-year college, would earn or has earned a 13-17 on their ACT or a 720-1100 on the SAT** and is looking for a collaborative, innovative mathematics course for their fourth year of high school.
- Studies with Oklahoma students show that **this course helps improve students' ACT composite scores, while NOT taking a math course can result in a decrease of ACT composite scores.** Not taking a fourth-year math course can also create a disconnect or degeneration of mathematical knowledge, increasing the chance students will need to take a remedial math course in college.
- We recommend schools **encourage students to take this fourth-year math course by highlighting the benefits of the course to families and students.** View our **College Career Math Ready flyer** for an overview of the benefits of the course at sde.ok.gov/CCMR. In fact, some schools have reported more success with the course when requiring it for students who would have otherwise taken no math course.

Information for Counselors

- This course is **coded as 4550** and counts as an **elective credit**.
- This course code **should NOT be used** to represent any other math course or elective.
- This course **DOES NOT** meet the mathematics graduation requirements for either the Core Pathway or the College Preparatory/Career Ready Pathway.
- **Students who are planning to play NCAA Division I and II sports may still take this course and meet NCAA requirements.** A table highlighting how CCMR can be included in these students' schedules can be found in the **CCMR Frequently Asked Questions** (bit.ly/2EH5ueE).

Resources

- **Southern Regional Education Board** (www.sreb.org)
- **OSDE CCMR Page** (sde.ok.gov/ccmr)
- **College Career Math Ready Coursework** (www.sreb.org/download-course-materials)
- **CCMR Informational Webinar YouTube video** (bit.ly/ccmrokwebinar)
- **CCMR Frequently Asked Questions** (bit.ly/mathreadyfaq)
- Still have questions about the CCMR course? Submit them via our **Additional Questions: CCMR Course webform** (bit.ly/mathreadyqs).

Contact Information

Christine Koerner, Director of Secondary Mathematics and Computer Science, Oklahoma State Department of Education (christine.koerner@sde.ok.gov)

Rachel Bates, Associate Vice Chancellor for Educational Partnerships, Oklahoma State Regents for Higher Education (rbates@osrhe.edu)

