POWERED BY CAREERTECH

AUTRY TECHNOLOGY CENTER

OKLAHOMA SCHOOL OF SCIENCE AND MATHEMATICS (OSSM)

Enid Regional Center

To provide an accelerated program that will compliment students' high school course work in science and math.

The Oklahoma School of Science and Mathematics Regional Center provides advanced educational opportunities and challenges for high school juniors and seniors in the Autry Technology Center district who are gifted in the areas of science and math. The school is a branch of the prestigious Oklahoma School of Science and Mathematics.

Students will be enrolled in both calculus and physics during the three-hour period.

OSSM Directly Fuels Oklahoma's Economic Engine for the Future

"It was one of the only places that offered the wonderful OSSM program which entailed higher level math and science, which was the biggest selling point for me." *-Landon S.*

OKLAHOMA SCHOOL OF SCIENCE AND MATHEMATICS COURSES

- **ADVANCED PLACEMENT CALCULUS BC**
  AP Calculus BC is a full-year course in the calculus of functions of a single variable. It includes all topics covered in AP Calculus AB plus additional topics. Both courses represent college-level mathematics for which most colleges grant advanced placement and credit. The content of AP Calculus BC is designed to qualify the student for placement and credit in a course that is one course beyond that granted for AP Calculus AB.

- **ADVANCED PLACEMENT PHYSICS C MECHANICS**
  This course ordinarily forms the first part of the college sequence that serves as the foundation in physics for students majoring in the physical sciences or engineering. The sequence is parallel to or preceded by mathematics courses that include calculus. Methods of calculus are used wherever appropriate in formulating physical principles and in applying them to physical problems. Strong emphasis is placed on solving a variety of challenging problems, some requiring calculus. The subject matter of the AP Physics C Mechanics course is classical mechanics and includes topics in kinematics; Newton's laws of motion, work, energy and power; systems of particles and linear momentum; circular motion and rotation; oscillations; and gravitation.

- **ADVANCED PLACEMENT STATISTICS**
  AP Statistics is a full-year course offered to second year students after they complete AP Calculus BC and Physics C: Mechanics. The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students who successfully complete the course and exam may receive credit for a one-semester introductory college statistics course.

- **DIFFERENTIAL EQUATIONS**
  This course ordinarily forms the first part of the college Engineering program. It serves as the foundation of Engineering mathematics and Calculus is a pre-requisite. Students who are successful in this course should be able to read, write and speak about ordinary differential equations (ODEs) and their solutions, including the application of ODEs to modeling problems in Physics, Biology, Economics, etc. We will cover methods of solutions for first-order equations, higher-order linear equations, power series methods; Laplace transform methods, linear systems of ODEs and non-linear systems, with applications.

For more information contact:

JANET STRATE

Director of Full-Time Programs
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580.242.2750

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COURSE LENGTH/IN-DISTRICT TUITION

Aug-May	M-F	High School: Half-day: 8:00-10:45am or 12:30-3:15pm
Tuition:		There is no tuition for students to attend OSSM-Autry. Textbooks are supplied by OSSM. Students are only responsible for costs associated with school supplies and incidental expenses related to their course work. *Students may be responsible for AP exam fees, depending on school district.*
Who Can Apply:		High School Juniors & Seniors who have taken Algebra 2

HIGHLIGHTS

- Advanced science and math course work
- Nationally recognized academic program
- State-of-the-art facilities and equipment
- Advanced classes while keeping affiliation with home high school
- Excellent college preparation

OSSM DIRECTLY FUELS OKLAHOMA'S ECONOMIC ENGINE FOR THE FUTURE

Proven Model of Educational Success

73 Different Majors in College

65 Universities Attended

24 National Merit Finalists

25 Academic All-Staters

autrytech.edu

APPLICATION POLICY

Admission to the OSSM Regional Center is a highly competitive process initiated by written application. In addition to the student's high interest in science and mathematics, the admission committee will examine multiple criteria including standardized test scores, previous grades and course work, academic recommendations, scientific interest and aptitude, self-discipline, personal maturity, motivation and overall potential as an OSSM-Autry student.

Applications available online at autrytech.edu.

Applications are also available from Autry Technology Center or your local high school counselor.

NEARLY **50%** Received PERFECT score on AP Calculus BC Exam

Over 327 students have attended Enid Regional Center since 2000.

75% GRADS ATTENDING COLLEGE IN OK

84% RECEIVED CALCULUS 1 & 2 COLLEGE CREDIT

100% OSSM GRADUATES ATTEND COLLEGE

STUDENTS RECEIVED $12.9 Million in Scholarships

Autry Technology Center does not discriminate on the basis of race, color, sex, pregnancy, gender, national origin, religion, disability, veteran status, sexual orientation, age, or genetic information. Questions or concerns should be directed to the Director of Student Services or the Assistant Superintendent. Autry Technology Center no discrimina en base a raza, color, género, estado de embarazo, nacionalidad de origen, religión, discapacidad, estado de veterano, orientación sexual, edad o información genética. Las preguntas o inquietudes deben dirigirse al Director de Servicios Estudiantiles o al Asistente del Superintendente.