

OKLAHOMA SCHOOL of SCIENCE and MATHEMATICS

2019-20 PROFILE

1141 North Lincoln Blvd • Oklahoma City, OK 73104 Tel (405) 521-6436 • Fax (405) 522-4586
School Code Number (CEEB): 372-684 www.ossm.edu

Created by legislative action in 1993, OSSM is Oklahoma's two-year, public, residential high school for juniors and seniors with exceptional ability in science and mathematics. The 164 students (70 seniors and 94 juniors) represent 73 high schools in 28 counties throughout the state of Oklahoma and 8 international students. Standardized testing is reported for domestic students only.

All of the 26 faculty members hold master's degrees; 70% hold a doctorate in their academic discipline.

Mission Statement

To educate students who show promise of exceptional academic development through a program of instruction and discovery that challenges them beyond the traditional high school model, imparting a superior foundation for careers in science, technology, engineering, and mathematics fields.

Admission

Admission is a competitive process initiated by written application. Semifinalists are interviewed by a committee comprised of community leaders and faculty before final selection is determined.

Academics

GPA and Class Ranking

Because all academic courses are advanced and/or accelerated honors-level courses, **OSSM does not calculate grade point averages or class ranking.**

Advanced Course Offerings

OSSM does not offer AP courses.

OSSM's college-level curriculum includes courses in Microbiology, Biochemistry, Neurobiology, Molecular and Cellular Biology, Genetics, Endocrinology, Human Anatomy and Physiology, Geoscience, Organic Chemistry, Data Structures, Computer Architecture and Assembly, Java Programming, Discrete Structures, Multivariate Calculus, Differential Equations, Number Theory, Linear Algebra, Abstract Algebra, Real Analysis, Physics: Mechanics, Electricity and Magnetism, Thermal Physics, Waves and Optics, Modern Physics.

Each science class at OSSM includes three hours of lecture *and* a two- or three-hour laboratory session per week.

Special Topics and Directed Studies

OSSM offers opportunities for students to pursue academic interests to the highest levels. These courses regularly include topics in Theoretical Physics, Advanced Genetics, and Chemistry, as well as Literature, History, and Modern Politics. Directed studies are not counted towards graduation requirements and are not graded.

Grading Information

The academic year is comprised of two semesters. Final grades are given after the eighteenth week of each semester. Students are required to sit for a comprehensive three-hour final in each course.

Due to the rigor of our college-level courses, we suggest the following grading scale be used to evaluate a student's coursework:

$$87 - 100 = A$$

$$77 - 86 = B$$

$$70 - 76 = C$$

$$< 70 = \text{No credit received}$$

Students receive a Pass (P) for physical education and fine arts. Mentorships also receive a Satisfactory (S) or Pass grade.

Grade Averages

	Fall	Spring
Mathematics	87.57	87.85
Biology	88.13	87.53
Chemistry	86.31	86.06
Physics	85.52	84.77
Computer Science	91.95	92.97
Humanities	90.35	91.72

Graduation Requirements

OSSM students must successfully complete a minimum of sixteen (16) units: one unit of biology; one unit of chemistry; one and one-half units of physics; one unit of science electives; two units of mathematics (inclusive of calculus); two units of English; two units of history; two units of the same foreign language; one-half unit of computer science; one unit of fine arts; two units of physical education.

60 hours of community service and 60 hours of school service are also required.

The Mentorship Program

More than 60% of OSSM students participate in independent research, receiving hands-on experience in their field of interest outside of the classroom.

Mentorships have been a part of the academic program at the Oklahoma School of Science and Mathematics since the first graduating class.

The proximity of OSSM to the University of Oklahoma Health Sciences Center and the

Oklahoma Medical Research Foundation as well as other organizations in Oklahoma City allows students to have the opportunity to work alongside nationally acclaimed researchers, physicians, engineers, and business people.

Standardized Tests

ACT (juniors and seniors 2019-20)

English	Math	Reading	Science	Composite
32	31	32	31	32

SAT (juniors and seniors 2019-20)

EBRW Mean	Math Mean	Total Mean
684	722	1415

National Merit Semi-Finalists

22 (Class of 2020)

Advanced Placement (AP)

- 60 students took 149 AP exams, May 2019.
- 95% of the AP Exams received scores of 3 or higher

College Acceptances – Class of 2019

Abilene Christian University	Georgia Institute of Technology	Rhodes College
Arizona State University	Grinnell College	Rice University
The University of Arizona	Harvard College	University of Rochester
University of Arkansas	Harvey Mudd College	Saint Louis University
Austin College	Haverford College	University of San Francisco
Babson College	Hendrix College	University of Science and Arts of Oklahoma
Baylor University	Illinois Institute of Technology	Simpson College
Benedictine College	LeTourneau University	University of Southern California
Boston College	Loyola University Maryland	Southwestern University
Boston University	Massachusetts Institute of Technology	St. Olaf College
Butler University	University of Michigan	Stanford University
California Institute of Technology	Missouri University of Science and Technology	Texas A&M University
University of California, Irvine	University of Missouri	Texas Christian University
University of California, Los Angeles	New York University	The University of Texas, Austin
University of California, Riverside	Northwestern University	The Ohio State University
University of California, San Diego	University of Notre Dame	Trinity College Dublin
University of California, Santa Barbara	Oberlin College	Tufts University
Carnegie Mellon University	Oklahoma Christian University	Tulane University
Case Western Reserve University	Oklahoma State University	University of Tulsa
University of Central Oklahoma	The University of Oklahoma	U.S. Merchant Marine Academy
University of Cincinnati	The College of the Ozarks	Vanderbilt University
University of Colorado at Boulder	University of Pennsylvania	Vassar College
Colorado College	University of Pittsburgh	Washington University in St. Louis
Colorado School of Mines	Pomona College	Western Michigan University
Colorado State University	University of Portland	Whitman College
Columbia University	Princeton University	Wichita State University
Cornell University	Purdue University	Wittenberg University
University of Denver	Rensselaer Polytechnic Institute	
Duke University		
The George Washington University		

***Bold denotes matriculation**



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