

OKLAHOMA SCHOOL of SCIENCE and MATHEMATICS

2018-19 Profile for Colleges

1141 North Lincoln Blvd • Oklahoma City, OK 73104
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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 143 students (59 seniors and 84 juniors) represent 75 high schools in 29 counties throughout the state of Oklahoma and 2 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 selective and 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, 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 = 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	85.04	88.17
Biology	87.33	88.52
Chemistry	88.37	87.11
Physics	86.62	87.49
Computer Science	92.22	92.83
Humanities	88.98	87.98

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 2018-19)

English	Math	Reading	Science	Composite
31	30	30	30	31

SAT (juniors and seniors 2018-19)

EBRW Mean	Math Mean	Total Mean
674	705	1379

Preliminary Scholastic Aptitude Test (PSAT)

Class of 2019--Tested as juniors 2017-18

EBRW Mean	Math Mean
666	675

Advanced Placement (AP)

- 57 students took 152 AP exams, May 2018.
- 74 % of the AP Exams received scores of 3 or higher

College Acceptances - Class of 2018

*Bold denotes matriculation

The University of Oklahoma

University of Tulsa

Oklahoma State University

University of Southern California

Case Western Reserve

Purdue University

Baylor University

University of Colorado at

Boulder

Washington University in St.

Louis

University of California, San

Diego

Colorado School of Mines

Southwestern Oklahoma State

University

University of Texas, Austin

Trinity University

Arcadia University

University of Arkansas

Boston University

University of California,

Berkeley

University of California, Davis

University of California, Los

Angeles

University of Chicago

Columbia University

Emory University

University of Minnesota, Twin

Cities

Missouri University of Science

and Technology

New College of Florida

University of North Carolina at

Chapel Hill

University of North Texas

Oklahoma City University

University of Pennsylvania

University of Rochester

University of Science and Arts of

Oklahoma

Southern Methodist University

Texas A&M University

The University of Texas, Dallas

University of Alabama

Albion College

Albright College

University of Arizona

Cameron University

University of Central Florida

Clemson University

Colby College

Colorado College

Colorado State University

Connecticut College

University of Denver

University College, Dublin

Duke Kunshan University

Duke University

George Mason University

Georgia Institute of Technology

Hendrix College

University of Houston

Iowa State University

Johns Hopkins University

Loyola Marymount University

University of Massachusetts

Dartmouth

Massachusetts Institute of

Technology

University of Massachusetts,

Amherst

University of Michigan

New York University

North Carolina State University

Northeastern State University

Northeastern University

University of Notre Dame

NYU Shanghai

Oberlin College

Oklahoma Baptist University

Oxford College of Emory

Pomona College

Reed College

Regis University

Rhodes College

Rice University

Rose-Hulman Institute of

Technology

St. Lawrence University

Stanford University

Texas Christian University

Trinity College Dublin

Tulane University

Vanderbilt University

University of Virginia

Washington and Lee University

Frank Y.H. Wang, Ph.D., President · Janet Neufeld Ph.D., Vice President for Academic Services · Cynthia Parish, Director of College Counseling · William Kuehl, Director of Admissions/Registrar

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