



Oklahoma School of Science and Mathematics

2015-16 Profile for Colleges

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School Code Number (CEEB): 372-684
<http://www.ossm.edu>

Created by legislative action, OSSM is Oklahoma's two-year, public, residential high school for juniors and seniors with exceptional ability in science and mathematics. The 148 students (66 seniors and 82 juniors) represent 82 high schools in 33 counties throughout the state of Oklahoma.

The faculty at OSSM is comprised of 26 professionals with advanced degrees in their disciplines. All have master's degrees and approximately 70% hold doctorates in their academic fields.

Mission Statement

To provide an optimum learning environment for exceptionally motivated, gifted and talented students in science and mathematics.

Admission

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

Academics and Performance Assessment

- **Academics and Class Ranking.** OSSM is an **Advanced College Preparatory** school. Because all academic courses are advanced and/or accelerated honors-level courses, **OSSM does not calculate grade point averages or class ranking.**
- **The Mentorship Program.** The purpose is to provide opportunities for students to do concentrated research or project development in specialized fields under the leadership and direction of professionals. Approximately 60% of the senior class participates in this program.

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.

Graduation Requirements

During the four semesters that students are at OSSM they 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

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

Standardized Testing

Class of 2016 Tested as juniors 2014-15

Preliminary Scholastic Aptitude Test (PSAT)

CR	Math	Writing	Selection
Mean	Mean	Mean	Index
63	66	61	191

ACT

English	Math	Reading	Science	Composite
31	30	31	31	31

Scholastic Aptitude Test (SAT)

CR	Math	Writing	Total
Mean	Mean	Mean	
650	660	600	1900

Scholastic Aptitude Subject Tests (SAT II)

OSSM Juniors and Seniors 2014-15

Subject	Mean
Chemistry	720
Math Level 2C	730
Physics	720

Advanced Placement (AP)

63 students took AP exams, May 2015

AP Scores	Calculus AB/BC	Chemistry	Computer Science A	English Language	Physics C: Elec&Mag	Physics C: Mechanics	Total Reported	% of Total
5	9	4	4	6	4	6	38	27%
4	1	5	3	4	5	8	30	21%
3	8	15	0	4	1	8	39	27%
2	2	6	0	2	6	4	22	15%
1	12	0	0	0	0	0	13	9%
Total	32	30	7	16	16	26	142	
%3 or higher	56%	80%	100%	88%	63%	85%		75%

Grade Averages

	Fall	Spring
Mathematics	87.17	88.58
Biology	88.20	86.33
Chemistry	88.60	87.60
Physics	83.00	84.00
Computer Science	92.50	94.20
Humanities	87.93	87.81
Foreign Language	94.11	95.58

College Acceptances* for OSSM Class of 2015

Baylor University	Hampden-Sidney College	Rice University	University of Miami
Bowdoin College	Harvey Mudd	Saint Louis University	University of Michigan
California Institute of Technology	Haverford College	Seton Hall University	University of Minnesota
Carlton College	Illinois Institute of Technology	Southern Methodist University	University of Missouri
Carnegie Mellon University	Missouri University of Science and Technology	Southwestern OSU	University of Missouri Kansas City (BA/MD)
Case Western Reserve University	Massachusetts Institute of Technology	Stanford University	University of Missouri St. Louis
College of the Atlantic	New York University	St. Olaf College	University of Oklahoma
Colorado School of Mines	Northeastern University	University of Texas	University of Rochester
Cornell University	Northwestern University	Trinity University	University of Southern California
Dartmouth College	Occidental College	Tufts University	University of Tulsa
Drexel University	Oklahoma Baptist University	Tulane University	Vanderbilt University
Duke University	Oklahoma City University	University of California Los Angeles	Washington University St. Louis
Embry-Riddle Aeronautical University	Oklahoma State University	University of California San Diego	Westminster College
Emory University	Oxford College of Emory	University of Central Oklahoma	Whitman College
Florida Institute of Technology	University of Pittsburgh	University of Chicago	Wichita State University
Georgia Institute of Technology	Princeton University	University of Colorado	University of Wisconsin
Grinnell College	Purdue University	University of Denver	
	Rensselaer Polytechnic Institute	University of Illinois	
		University of Kansas	

*Colleges in bold denote matriculation

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Cynthia Brown, Director of College Counseling · Rebecca Morris, Director of Admissions/Registrar