



Oklahoma School of Science and Mathematics 2016-17 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 160 students (75 seniors and 85 juniors) represent 81 high schools in 40 counties throughout the state of Oklahoma and 6 international students from two countries. Standardized testing is reported for domestic students only.

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 2017 Tested as juniors 2015-16

Preliminary Scholastic Aptitude Test (PSAT)

EBRW	Math	Selection
Mean	Mean	Index
668	663	200

ACT

English	Math	Reading	Science	Composite
32	31	31	31	31

Scholastic Aptitude Test (SAT)

ERW	Math	Total
Mean	Mean	Mean
679	706	1384

Scholastic Aptitude Subject Tests

OSSM Juniors and Seniors 2015-16

Subject	Mean
Chemistry	691
Math Level 2C	706
Physics	694

Advanced Placement (AP)

87 students took 241 AP exams, May 2016. Detailed record for n> 12 math, science, and English exams:

AP Scores	Calculus AB/BC	Chemistry	Computer Science A	English Language	Physics C: Elec&Mag	Physics C:Mechanics	Total Reported	% of Total
5	8	7	5	12	6	12	50	29
4	5	9	4	8	12	9	47	27
3	5	15	5	5	6	11	47	27
2	1	6	0	3	4	6	20	11
1	8	0	0	0	1	1	10	6
Total	27	37	14	28	29	39	174	
%3 or higher	67	84	100	89	83	82		83

Grade Averages

	Fall	Spring
Mathematics	83.23	88.19
Biology	89.16	87.21
Chemistry	86.88	88.54
Physics	84.22	84.59
Computer Science	91.90	94.92
Humanities	87.73	88.91
Foreign Language	94.26	95.98

College Acceptances* for OSSM Class of 2016

Baylor University, Brown University, **Boston College**, **Carnegie Mellon University**, Colorado State University, Colorado School of Mines, **Columbia University**, Dartmouth College, Duke University, Eastern Oklahoma State College, Emory University, Fordham University, Ft. Lewis College, **Hamilton College**, Hendrix College, Illinois Institute of Technology, Johns Hopkins University, Lee University, **New York University**, **Northeastern State University**, **Northwestern University**, Oklahoma Baptist University, Oklahoma City University, **Oklahoma State University**, **Oregon State University**, **Princeton University**, Rensselaer Polytechnic Institute, **Rice University**, Smith College, Southern Methodist University, **St. Louis University B.S./M.D. Program**, **Stanford University**, University of Arkansas, **University of California—Berkeley**, University of California—Los Angeles, University of California—San Diego, University of Central Florida, **University of Chicago**, University of Colorado, University of Georgia, University of Iowa, **University of Kansas**, University of Maine, **University of Michigan**, University of Missouri, **University of Oklahoma**, **University of Pennsylvania**, University of Southern California, **University of Tampa**, **University of Texas**, **University of Tulsa**, University of Washington, **Vanderbilt University**, **Washington University in St. Louis**, **Western Carolina University**, William Jewell College, **Williams College**, Yale University

***Bold denotes matriculation**

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