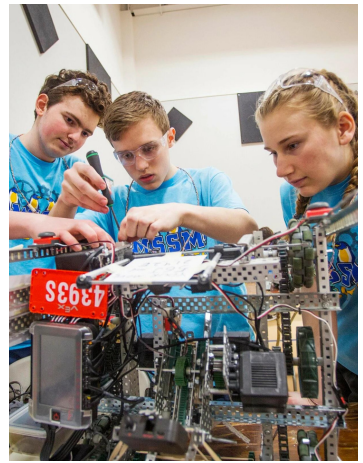




2022-2023 SCHOOL PROFILE
Maine School of Science and Mathematics



OUR SCHOOL

Chartered by the Maine State Legislature in 1995 and funded by the state of Maine, the **Maine School of Science and Mathematics** is a **STEM** (Science, Technology, Engineering and Mathematics) magnet residential high school for scholars in grades 9-12 who enjoy collaboration, intellectual inquiry, and new and challenging ideas. Our students hail from across the state of Maine and United States. At MSSM, students, staff, and faculty engage in energetic intellectual sparring served up with encouragement and support.

The MSSM Penguins enjoy three varsity level athletic teams in all three seasons, both boys and girls. The inaugural fall season bode well for our scholar-athletes as both soccer teams qualified for the play-offs while several of the cross-country runners advanced to the State meet. In 2022, both boys and girls volleyball teams won the **All-Aroostook Championship**.

Throughout the years, MSSM continues to rank strongly in such publications as **US News and World Report** ranking as high as **the number two public high school in the nation in 2019**. As a member of the **National Consortium of Secondary STEM Schools (NCSSS)**, MSSM strives to remain current in STEM education.



MSSM is a proud member of the **National Consortium of Secondary STEM Schools (NCSSS)**, and in **2019, ranked as the #2 Public High School in the Nation**. MSSM continues to hold its position as a **top 3 public high school in the state of Maine**.

4 National Merit Finalists

World Class Faculty

85% of faculty hold advanced degrees, 6 of whom hold terminal degrees in their fields (MFAs and PhDs).

7 to 1 Student to Teacher Ratio

MSSM students work closely with faculty in small class sizes.

STUDENT ADMISSIONS

Students apply to MSSM from across the state of Maine. MSSM accepts rising 9th, 10th, and 11th grade applications. Students are selected through a highly competitive admission process that works to uncover the depth and consistency of a student's story.

The Admission Review Committee considers each applicant's academic performance, accomplishments, and extracurricular activities, looking for patterns of intellectual curiosity and a sophisticated grasp of world events and technical knowledge as well as a demonstrated passion in various disciplines.

ACADEMIC PROGRAMS

MSSM faculty, staff, and Board of Trustees are committed to enhancing the previous knowledge of students as well as preparing them for future studies in a wide range of disciplines. While many MSSM students pursue careers in math, science, medicine, and technology, others seek degrees in the humanities and fine arts, building upon a well-defined curriculum of math and science education.

Students who receive an MSSM diploma have successfully completed MSSM's graduation requirements and were enrolled in 5 core academic courses each semester of their 9-12 grade years. These include the following courses and experiences:

- **4 mathematics** (with a minimum of Before Calculus)
- **4 lab-based sciences** (including one credit each of biology, chemistry, and physics)
- **4 English** (including 1 credit of MSSM Composition and Research)
- **1 US History**
- **1 social science elective**
- **2 foreign language** (the same language)
- **1 fine arts**
- **½ wellness** ("health")

In addition, each student completes 4 January-Term ("J-Term") experiences, 4 years of campus service, 4 years of physical activity or a varsity sport, 1 semester of MSSM's residential education program (First-Year Seminar), and 2 semesters of college preparation seminars (Junior and Senior Seminar).

Class of 2023 Demographics

3% African American or Black

12% Asian

6% Hispanic

6% Two or more races

73% White

Female: 10

Male: 20

Nonbinary: 3

11 counties
2 states



MSSM students hail from 11
counties and 2 states.

JANUARY TERM: EXPERIENTIAL ACADEMICS

January Term (J-Term) is an innovative ten-day program that provides students with the opportunity to dedicate themselves to a particular course or project. It offers something of interest for everyone and is an excellent way for students to pursue personal passions and explore intellectual and academic curiosities. There are three options for J-Term: in-depth, on-campus courses, organized trips, and participation in an internship experience.

QUALITY POINTS & GPA

All MSSM courses are honors level or higher with many classes at the college level. Student GPAs represent a robust and well-defined math and science curriculum, including AP course offerings, and the opportunity to complete independent studies with dedicated faculty and staff.

MSSM GPA SCALE

MSSM recognizes the importance GPA plays in accurately representing student performance, skills, and achievements. Below is a list of quality points awarded by letter grade that help to calculate a student's GPA while attending MSSM. Grades are not weighted despite MSSM's rigorous curriculum.

QUALITY POINTS AWARDED BY LETTER GRADE

A	B	C	F
4.0	3.0	2.0	0

While MSSM students have high GPAs, the school does not award traditional class ranking designations based on GPA (e.g., "Valedictorian," "Salutatorian"), preferring, instead, to acknowledge student voice. Each year, MSSM seniors apply for the opportunity to speak to their class at the MSSM graduation ceremony in an annual student address. Essays are read blindly by a team of MSSM faculty from the English and Fine Arts Department and selected based on merit.

CONCURRENT COLLEGE ENROLLMENT

College readiness for MSSM students is enhanced by an MOU ("Memorandum of Understanding") with the **University of Maine at Presque Isle**, which awards university credit for most MSSM courses without requiring an AP exam or other placement or exemption testing.

Through this program, MSSM students are eligible **UMPI's Liberal Arts A.A. degree**, which can be completed in 2-4 years of study at MSSM.

PSAT TEST PERFORMANCE

	MATH	ENGLISH	COMPOSITE
Median	630	625	1255
Mean	630	619	1249

100% of students of the class of 2023 took the PSAT. PSAT statistics were compiled using the best scores for each student.

SAT TEST PERFORMANCE

	MATH	ENGLISH	COMPOSITE
Median	715	650	1365
Mean	708	668	1376

92% of students of the class of 2022 took the SAT. SAT statistics were compiled using the best scores for each student. SAT data for the class of 2023 was not available at the time of publication.





RESEARCH & INTERNSHIP PROGRAMS

MSSM faculty and staff understand that hands-on experiences are at the heart of scholarly research. Multiple departments offer individualized research opportunities for students, including Senior Tutorial in English, Research Tutorial in the Humanities, and numerous Independent Study opportunities across departments.

Internships provide yet another option for student research and experiential programming. Participants are paired with mentors in a job-shadow environment which allows them to delve into areas of their own choosing from diverse fields such as medical, research, engineering, education, law etc. J-Term allows students the opportunity to customize and shape their experience.

Previous Internship experiences include: **Jackson Laboratories, Northern Light AR Gould Hospital, and Sunday River Ski Resort,**



RESIDENTIAL LIFE

At the Maine School of Science and Mathematics, students find a close-knit, residential community where they can be themselves. Academic support expands beyond the classroom with dedicated faculty and staff participating in a rich, living-learning community. Community life plays an important role in students' development, providing experiences that will last a lifetime.

MSSM has the unique position of being directly connected to miles of four season trails that are maintained for walking, biking, snowshoeing, and cross country skiing for the entire community.

Residential Life staff facilitate supportive hall ("wing") communities with a variety of extracurricular activities. Students pursue their interests in numerous student-led clubs on campus, participate in an active Student Senate, and seek leadership opportunities in campus service each year. MSSM students are overseen by the Director of Residential Life and the Director of Health Services, who are the coordination point for care of students' physical and mental well-being.



COLLEGE ACCEPTANCES AND ENROLLMENTS FOR THE CLASSES OF 2017 THROUGH 2022

A= Accepted E = Enrolled

College	A E	College	A E	College	A E
American University	1 0	Fordham University	4 0	University College Dublin	1 0
Bates College	3 2	Franklin W Olin College of Engineering	1 1	University of Glasgow	2 1
Becker College	1 0	George Washington U.	1 1	University of Illinois Urbana-Champaign	3 2
Beloit College	2 0	Georgetown	1 1	University of Maine	85 32
Bennington College	2 1	Georgia Institute of Tech.	4 1	University of Michigan	3 0
Bentley University	4 0	Grinnell College	1 1	University of New England	8 1
Binghamton University	2 0	Harvey Mudd College	1 1	University of New Hampshire	5 1
Boston College	4 2	Husson University	2 1	University of the Pacific	4 1
Boston University	9 4	John Hopkins University	1 0	University of Pennsylvania	1 1
Bowdoin College	10 6	Kenyon College	5 0	University of Southern Maine	20 4
Brandeis University	2 1	Lehigh University	1 1	University of Utah	1 1
College of the Atlantic	2 0	Maine Maritime Academy	4 3	University of Vermont	1 1
College of Wooster	3 1	Massachusetts Institute of Technology	5 5	University of Wisconsin-Eau Claire	1 1
CUNY Brooklyn College	1 0	Mount Holyoke College	2 0	Southern Methodist University	1 1
Brown University	3 3	New York University	6 1	Stevens Institute of Tech.	3 3
Bryant University	2 0	Northeastern University	10 2	Stony Brook University	4 1
Bryn Mawr College	1 0	Northwestern University	1 1	Suffolk University	3 1
Carnegie Mellon U.	4 3	Pomona College	2 2	Culinary Institute of America	1 1
Case Western Reserve U.	2 0	Purdue University	6 0	Tufts University	3 1
Champlain College	5 2	Rensselaer Polytechnic Inst.	16 4	Vanderbilt University	1 1
Clark University	6 1	Rice University	1 1	Vassar College	1 1
Clarkson University	4 1	Rochester Institute of Tech.	18 8	Washington University in St. Louis	1 1
Colby College	18 7	Smith College	4 1	Wheaton College - Mass.	3 1
Colorado School of Mines	2 2	UC-Berkeley	2 1	Willamette University	1 1
Cornell University	2 1	UC-Davis	2 0	Williams College	1 1
Creighton University	1 1	UC-San Diego	2 1	Worcester Polytechnic Inst.	20 6
Dartmouth College	1 1	University of Chicago	1 0	Yale University	1 0
Eckerd College	2 1	University of Detroit-Mercy	3 2		
Embry-Riddle Aeronautical University	4 3				

The Classes of 2017-2022 represent MSSM at 63 total colleges and universities throughout the U.S.

The Maine School of Science and Mathematics

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