

## MATH AND SCIENCE ACADEMY

*Adopted: April 16, 2024*

*Revised: January 28, 2025*

### 613 GRADUATION REQUIREMENTS

*[Note: The requirements set forth in this policy govern the graduation standards that Minnesota public schools must require for a high school diploma for all students.]*

#### I. PURPOSE

The purpose of this policy is to set forth requirements for graduation from Math and Science Academy.

#### II. GENERAL STATEMENT OF POLICY

The policy of Math and Science Academy is that all students must demonstrate, as determined by Math and Science Academy, their satisfactory completion of the credit requirements and their understanding of academic standards. Math and Science Academy must adopt graduation requirements that meet or exceed state graduation requirements established in law or rule.

#### III. DEFINITIONS

- A. “Credit” means a student’s successful completion of an academic year of study or a student’s mastery of the applicable subject matter, as determined by Math and Science Academy.
- B. “Individualized Education Program” or “IEP” means a written statement developed for a student eligible by law for special education and services.
- C. “English language learners” or “ELL” student means an individual whose first language is not English and whose test performance may be negatively impacted by lack of English language proficiency.
- D. “Required standard” means: a statewide adopted expectation for student learning in the content areas of language arts, mathematics, science, social studies, physical education, health, and the arts Locally developed academic standards in health apply until statewide rules implementing statewide health standards under Minnesota Statutes, section 120B.021, subdivision 3, are required to be implemented in the classroom.

*[NOTE: The 2024 Minnesota legislature enacted this change. Paragraphs B and C are flipped to create alphabetical order.]*

- E. “Section 504 Accommodation” means the defined appropriate accommodations or

modifications that must be made in the school environment to address the needs of an individual student with disabilities.

#### **IV. CHARTER SCHOOL ASSESSMENT COORDINATOR**

(Middle School Guidance Counselor) shall be named the Math and Science Academy Assessment Coordinator. Said person shall be in charge of all test procedures and shall bring recommendations to the school board annually for approval.

#### **V. ASSESSMENT GRADUATION REQUIREMENTS**

##### **A. Graduation Requirements**

Students' state graduation requirements, based on a longitudinal, systematic approach to student education and career planning, assessment, instructional support, and evaluation, include the following:

1. Achievement and career and college readiness in mathematics, reading, and writing, consistent with paragraph (k) and to the extent available, to monitor students' continuous development of and growth in requisite knowledge and skills; analyze students' progress and performance levels, identifying students' academic strengths and diagnosing areas where students require curriculum or instructional adjustments, targeted interventions, or remediation; and, based on analysis of students' progress and performance data, determine students' learning and instructional needs and the instructional tools and best practices that support academic rigor for the student; and
2. Consistent with this paragraph and Minnesota Statutes, section 120B.125 (*see Policy 604, Section II.H.*), age-appropriate exploration and planning activities and career assessments to encourage students to identify personally relevant career interests and aptitudes and help students and their families develop a regularly reexamined transition plan for postsecondary education or employment without need for postsecondary remediation.
3. Based on appropriate state guidelines, students with an IEP may satisfy state graduation requirements by achieving an individual score on the state-identified alternative assessments.

##### **B. Targeted Instruction Plan**

1. Students meeting the state graduation requirements under this section must receive targeted, relevant, academically rigorous, and resourced instruction which may include a targeted instruction and intervention plan focused on improving the student's knowledge and skills in core subjects so that the student has a reasonable chance to succeed in a career or college without need for postsecondary remediation.

2. Students meeting the state graduation requirements under this section and who are students in grade 11 or 12 and who are identified as academically ready for a career or college are actively encouraged by Math and Science Academy to participate in courses and programs awarding college credit to high school students. Students are not required to achieve a specified score or level of proficiency on an assessment to graduate from high school.
3. A student's progress toward career and college readiness must be recorded on the student's high school transcript.

## **VI. GRADUATION CREDIT REQUIREMENTS**

A student must successfully complete, as determined by Math and Science Academy, the following high school level credits for graduation:

- A. Four credits of language arts sufficient to satisfy all academic standards in English language arts;
- B. Three credits of mathematics, including an algebra II credit or its equivalent, sufficient to satisfy all of the academic standards in mathematics;
  - i. Math and Science Academy requires students earn one credit of Calculus or equivalent as approved by the Board of Directors.
- C. An algebra I credit by the end of 8<sup>th</sup> grade sufficient to satisfy all of the 8<sup>th</sup> grade standards in mathematics;
- D. Three credits of science, including at least: (a) one credit of biology; (b) one credit of chemistry or physics; and (c) one credit of earth science. The combination of credits must be sufficient to satisfy (i) all of the academic standards in either chemistry or physics and (ii) all other academic standards in science;
- E. Three and one-half credits of social studies, encompassing at least United States history, geography, government and citizenship, world history, and economics sufficient to satisfy all of the academic standards in social studies;
- F. One credit in the arts sufficient to satisfy all of the state or local academic standards in the arts; and
- G. A minimum of seven elective credits.
  - i. Which shall include world language each year of high school or completion of the five year world language progression.
- H. Credit equivalencies
  1. A one-half credit of economics taught in a school's agricultural, food, and

natural resources education or business education program or department may fulfill a one-half credit in social studies under Paragraph E., above, if the credit is sufficient to satisfy all of the academic standards in economics.

2. An agriculture science or career and technical education credit may fulfill the elective science credit required under Paragraph D., above, if the credit meets the state physical science, life science, earth and space science, chemistry, or physics academic standards or a combination of these academic standards as approved by Math and Science Academy. An agriculture or career and technical education credit may fulfill the credit in chemistry or physics required under Paragraph D., above, if the credit meets the state chemistry or physics academic standards as approved by Math and Science Academy. A student must satisfy either all of the chemistry or physics academic standards prior to graduation. An agriculture science or career and technical education credit may not fulfill the required biology credit under Paragraph D., above.
3. A career and technical education credit may fulfill a mathematics or arts credit requirement under Paragraph B. or Paragraph F., above.
4. A computer science credit may fulfill a mathematics credit requirement under Paragraph B., above, if the credit meets state academic standards in mathematics.
5. A Project Lead the Way credit may fulfill a mathematics or science credit requirement under Paragraph B. or Paragraph D., above, if the credit meets the state academic standards in mathematics or science.
6. An ethnic studies course may fulfill a social studies, language arts, arts, math, or science credit if the course meets the applicable state academic standards. An ethnic studies course may fulfill an elective credit if the course meets applicable local standards or other requirements.

*[Note: Starting in the 2026-27 school year, a high school must offer an ethnic studies course; in elementary and middle schools by the 2027-28 school year.]*

## **VII. GRADUATION STANDARDS REQUIREMENTS**

- A. All students must demonstrate their understanding of the following academic standards:
  1. Math and Science Academy Standards, Health (K-12);
  2. Math and Science Academy Standards, Career and Technical Education (K-12); and

3. Math and Science Academy Standards, World Languages (K-12).
- B. Academic standards in health, world languages, and career and technical education will be reviewed on an annual basis.\* Math and Science Academy must use the current world languages standards developed by the American Council on the Teaching of Foreign Languages.
- \* Reviews are required to be conducted on a periodic basis. Therefore, this time period may be changed to accommodate individual Math and Science Academy needs.
- C. All students must satisfactorily complete the following required Graduation Standards in accordance with the standards developed by the Minnesota Department of Education (MDE):
1. Minnesota Academic Standards, English Language Arts K-12;
  2. Minnesota Academic Standards, Mathematics K-12;
  3. Minnesota Academic Standards, Science K-12;
  4. Minnesota Academic Standards, Social Studies K-12; and
  5. Minnesota Academic Standards, Physical Education K-12.
- D. State standards in the Arts K-12 are available, or Math and Science Academy may choose to develop their own standards.
- E. The academic standards for language arts, mathematics, and science apply to all students except the very few students with extreme cognitive or physical impairments for whom an IEP team has determined that the required academic standards are inappropriate. An IEP team that makes this determination must establish alternative standards.

### **VIII. EARLY GRADUATION**

Students may be considered for early graduation, as provided for within Minnesota Statutes, section 120B.07, upon meeting the following conditions:

- A. All course or standards and credit requirements must be met;
- B. The principal or designee shall conduct an interview with the student and parent or guardian, familiarize the parties with opportunities available in post-secondary education, and arrive at a timely decision; and
- C. The principal's decision shall be in writing and may be subject to review by the Executive Director and school board.

**Legal References:** Minn. Stat. § 120B.018 (Definitions)  
Minn. Stat. § 120B.02 (Educational Expectations and Graduation Requirements for Minnesota’s Students)  
Minn. Stat. § 120B.021 (Required Academic Standards)  
Minn. Stat. § 120B.023 (Benchmarks)  
Minn. Stat. § 120B.024 (Credits)  
Minn. Stat. § 120B.07 (Early Graduation)  
Minn. Stat. § 120B.11 (School District Process for Reviewing Curriculum, Instruction, and Student Achievement Goals; Striving for Comprehensive Achievement and Civic Readiness)  
Minn. Stat. § 120B.125 (Planning for Students’ Successful Transition to Postsecondary Education and Employment; Personal Learning Plans)  
Minn. Stat. § 120B.30 (General Requirements; Statewide Assessments)  
Minn. Stat. § 120B.303 (Assessment Graduation Requirements)  
Minn. Stat. § 120B.307 (College and Career Readiness)  
Minn. Stat. § 124E.03 (Applicable Law)  
Minn. Rules Part 3501.0660 (Academic Standards For Kindergarten through Grade 12)  
Minn. Rules Parts 3501.0700-3501.0745 (Academic Standards for Mathematics)  
Minn. Rules Part 3501.0820 (Academic Arts Standards for Kindergarten through Grade 12)  
Minn. Rules Parts 3501.0900-3501.0960 (Academic Standards in Science)  
Minn. Rules Parts 3501.1200-1210 (Academic Standards for English Language Development)  
Minn. Rules Parts 3501.1300-3501.1345 (Academic Standards for Social Studies)  
Minn. Rules Parts 3501.1400-3501.1410 (Academic Standards for Physical Education)  
20 U.S.C. § 6301, *et seq.* (Every Student Succeeds Act)

**Cross References:** MSBA/MASA Model Policy 104 (Charter School Mission Statement)  
MSBA/MASA Model Policy 601 (Charter School Curriculum and Instruction Goals)  
MSBA/MASA Model Policy 614 (Charter School Testing Plan and Procedure)  
MSBA/MASA Model Policy 615 (Testing Accommodations, Modifications, and Exemptions for IEPs, Section 504 Plans, and LEP Students)  
MSBA/MASA Model Policy 616 (Charter School System Accountability)