



2018-2023 AMATYC Strategic Plan

Approved April 21, 2017

AMATYC will be guided during the years 2018-2023 by this strategic plan consisting of the five priorities below and accompanying initiatives.

Priority I: Advocate for mathematics educators and mathematics students.

- A. Expand the visibility of AMATYC.
- B. Further a common vision by strengthening collaborations with other organizations.
- C. Recruit and retain individuals from under-represented groups into AMATYC membership and leadership.
- D. Attract and retain students into mathematics intensive fields, particularly students from under-represented groups.
- E. Advance seamless course and program articulation.
- F. Develop and maintain standards for mathematics education in the first two years of college.
- G. Educate the public on the AMATYC IMPACT standards and other AMATYC or national initiatives.

Priority II: Provide and promote professional development opportunities to faculty whose primary focus is mathematics in the first two years of college.

- A. Create year-round AMATYC opportunities for professional development utilizing various modalities.
- B. Offer professional development focused on mentoring new faculty teaching mathematics in the first two years of college.
- C. Enhance access to high quality professional development for all mathematics faculty.
- D. Collaborate with other organizations to provide professional development opportunities.

Priority III: Promote research on the teaching and learning of mathematics and statistics in the first two years of college.

- A. Encourage qualitative and quantitative research focused on student learning for a diverse range of learners.
- B. Train and support faculty who are interested in conducting research and classroom research.
- C. Pursue grants and other means of financial support for classroom research on teaching and learning.
- D. Continue to improve instructional resources based on classroom research.
- E. Advocate for the continued improvement of placement processes based on program assessment.
- F. Assist faculty, departments, and colleges to institute innovative practices informed by research.
- G. Disseminate resources and model practices for research-based teaching and learning.

Priority IV: Improve mathematics and statistics curricula in the first two years of college.

- A. Seek to provide a strong and relevant mathematics curricular experience for all students.
- B. Design and refine pathways for both STEM (Science, Technology, Engineering, and Mathematics) and non-STEM students.
- C. Promote the appropriate instruction and assessment of curricula.
- D. Encourage the appropriate use of technologies to enhance student learning.
- E. Facilitate the communication of successful curricular innovations that improve student learning.

Priority V: Build connections within communities of educators across regions, departments, and institutions.

- A. Enrich relationships with and provide support for AMATYC affiliate organizations.
- B. Support and increase participation in AMATYC's academic committees and AMATYC networks (ANets).
- C. Extend opportunities for local, national, and international networking to those interested in mathematics in the first two years of college.
- D. Promote a diverse community of mathematics educators which recognizes and welcomes the unique contributions of all participants.