



Active Chapters of Kappa Mu Epsilon

Alabama Alpha..... Athens State University, Athens
 Alabama Gamma..... University of Montevallo, Montevallo
 Alabama Epsilon..... Huntingdon College, Montgomery
 Alabama Zeta..... Birmingham-Southern College, Birmingham
 Alabama Eta..... University of West Alabama, Livingston
 Alabama Theta..... Jacksonville State University, Jacksonville
 Arkansas Beta..... Henderson State University, Arkadelphia
 California Gamma..... California Polytechnic State University, San Luis Obispo
 California Delta..... California State Polytechnic University, Pomona
 California Epsilon..... California Baptist University, Riverside

California Zeta..... Simpson University, Redding
 Colorado Beta..... Colorado School of Mines, Golden
 Colorado Gamma..... Fort Lewis College, Durango
 Colorado Delta..... Mesa State College, Grand Junction
 Connecticut Beta..... Eastern Connecticut State University, Willimantic
 Florida Beta..... Florida Southern College, Lakeland
 Florida Gamma..... Southeastern University, Lakeland
 Georgia Alpha..... University of West Georgia, Carrollton
 Georgia Beta..... Georgia College and State University, Milledgeville
 Georgia Gamma..... Piedmont College, Demorest

Georgia Delta..... Berry College, Mount Berry
 Georgia Epsilon..... Wesleyan College, Macon
 Hawaii Alpha..... Hawaii Pacific University, Kaneohe
 Illinois Beta..... Eastern Illinois University, Charleston
 Illinois Delta..... University of St. Francis, Joliet
 Illinois Zeta..... Dominican University, River Forest
 Illinois Eta..... Western Illinois University, Macomb
 Illinois Theta..... Benedictine University, Lisle
 Illinois Iota..... Lewis University, Romeoville
 Indiana Alpha..... Manchester College, North Manchester

Indiana Beta..... Butler University, Indianapolis
 Indiana Gamma..... Anderson University, Anderson
 Indiana Delta..... University of Evansville, Evansville
 Iowa Alpha..... University of Northern Iowa, Cedar Falls
 Iowa Beta..... Drake University, Des Moines
 Iowa Gamma..... Morningside College, Sioux City
 Iowa Delta..... Wartburg College, Waverly
 Kansas Alpha..... Pittsburg State University, Pittsburg
 Kansas Beta..... Emporia State University, Emporia
 Kansas Gamma..... Benedictine College, Atchison

Kansas Delta..... Washburn University, Topeka
 Kansas Epsilon..... Fort Hays State University, Hays
 Kansas Zeta..... Southwestern College, Winfield
 Kentucky Alpha..... Eastern Kentucky University, Richmond
 Kentucky Beta..... University of the Cumberlands, Williamsburg
 Louisiana Gamma..... Northwestern State University, Natchitoches
 Louisiana Delta..... University of Louisiana, Monroe
 Maryland Alpha..... Notre Dame of Maryland University, Baltimore
 Maryland Beta..... McDaniel College, Westminster
 Maryland Delta..... Frostburg State University, Frostburg

Maryland Epsilon..... Stevenson University, Stevenson
 Massachusetts Alpha..... Assumption College, Worcester
 Massachusetts Beta..... Stonehill College, Easton
 Michigan Alpha..... Albion College, Albion
 Michigan Beta..... Central Michigan University, Mount Pleasant
 Michigan Delta..... Hillsdale College, Hillsdale
 Michigan Epsilon..... Kettering University, Flint
 Mississippi Alpha..... Mississippi University for Women, Columbus
 Mississippi Gamma..... University of Southern Mississippi, Hattiesburg
 Mississippi Epsilon..... Delta State University, Cleveland

Missouri Alpha..... Southwest Missouri State University, Springfield
 Missouri Beta..... Central Missouri State University, Warrensburg
 Missouri Gamma..... William Jewell College, Liberty
 Missouri Epsilon..... Central Methodist College, Fayette
 Missouri Zeta..... Missouri University of Science and Technology, Rolla
 Missouri Eta..... Truman State University, Kirksville
 Missouri Theta..... Evangel University, Springfield
 Missouri Iota..... Missouri Southern State College, Joplin
 Missouri Kappa..... Drury University, Springfield
 Missouri Lambda..... Missouri Western State University, St. Joseph

Missouri Mu..... Harris Stowe State University, St. Louis
 Missouri Nu..... Columbia College, Columbia
 Nebraska Alpha..... Wayne State College, Wayne
 Nebraska Beta..... University of Nebraska-Kearney, Kearney
 Nebraska Delta..... Nebraska Wesleyan University, Lincoln
 New Hampshire Alpha..... Keene State College, Keene
 New Jersey Beta..... Montclair State University, Upper Montclair
 New Jersey Gamma..... Monmouth University, West Long Branch
 New Jersey Delta..... Centenary College, Hackettstown
 New Jersey Epsilon..... New Jersey City University, Jersey City

New Mexico Alpha..... University of New Mexico, Albuquerque
 New York Eta..... Niagara University, Niagara University
 New York Iota..... Wagner College, Staten Island
 New York Kappa..... Pace University, New York
 New York Lambda..... C.W. Post Campus-Long Island U, Brookville
 New York Mu..... St. Thomas Aquinas College, Sparkill
 New York Nu..... Hartwick College, Oneonta
 New York Omicron..... St. Joseph's College, Patchogue
 New York Pi..... Mount Saint Mary College, Newburgh
 New York Rho..... Molloy College, Rockville Centre

North Carolina Epsilon..... North Carolina Wesleyan College, Rocky Mount
 North Carolina Zeta..... Catawba College, Salisbury
 North Carolina Eta..... Johnson C. Smith University, Charlotte
 Ohio Alpha..... Bowling Green State University, Bowling Green
 Ohio Gamma..... Baldwin-Wallace College, Berea
 Ohio Epsilon..... Marietta College, Marietta
 Ohio Zeta..... Muskingum College, New Concord
 Ohio Eta..... Ohio Northern University, Ada
 Oklahoma Alpha..... Northeastern State University, Tahlequah
 Oklahoma Gamma..... Southwestern Oklahoma State University, Weatherford

Oklahoma Delta..... Oral Roberts University, Tulsa
 Oklahoma Epsilon..... Oklahoma Christian University, Oklahoma City
 Pennsylvania Alpha..... Westminster College, New Wilmington
 Pennsylvania Beta..... LaSalle University, Philadelphia
 Pennsylvania Gamma..... Waynesburg College, Waynesburg
 Pennsylvania Delta..... Marywood University, Scranton

Pennsylvania Epsilon..... Kutztown University of Pennsylvania, Kutztown
 Pennsylvania Eta..... Grove City College, Grove City
 Pennsylvania Theta..... Susquehanna University, Selingsgrove
 Pennsylvania Iota..... Shippensburg Univ of Pennsylvania, Shippensburg

Pennsylvania Kappa..... Holy Family College, Philadelphia
 Pennsylvania Lambda..... Bloomsburg University of Pennsylvania, Bloomsburg
 Pennsylvania Mu..... Saint Francis University, Loretto
 Pennsylvania Nu..... Ursinus College, Collegeville
 Pennsylvania Xi..... Cedar Crest College, Allentown
 Pennsylvania Omicron..... University of Pittsburgh at Johnstown, Johnstown
 Pennsylvania Pi..... Slippery Rock University, Slippery Rock
 Pennsylvania Rho..... Thiel College, Greenville
 Pennsylvania Sigma..... Lycoming College, Williamsport
 Rhode Island Alpha..... Roger Williams University, Bristol

South Carolina Gamma..... Winthrop University, Rock Hill
 South Carolina Epsilon..... Francis Marion University, Florence
 South Dakota Alpha..... Northern State University, Aberdeen
 Tennessee Alpha..... Tennessee Tech University, Cookeville
 Tennessee Beta..... East Tennessee State University, Johnson City
 Tennessee Gamma..... Union University, Jackson
 Tennessee Delta..... Carson-Newman College, Jefferson City
 Tennessee Epsilon..... Bethel College, McKenzie
 Texas Alpha..... Texas Tech University, Lubbock
 Texas Gamma..... Texas Woman's University, Denton

Texas Eta..... Hardin-Simmons University, Abilene
 Texas Iota..... McMurry University, Abilene
 Texas Kappa..... University of Mary Hardin-Baylor, Belton
 Texas Lambda..... Trinity University, San Antonio
 Texas Mu..... Schreiner University, Kerrville
 Virginia Alpha..... Virginia State University, Petersburg
 Virginia Beta..... Radford University, Radford
 Virginia Gamma..... Liberty University, Lynchburg
 Virginia Delta..... Marymount University, Arlington
 West Virginia Alpha..... Bethany College, Bethany

West Virginia Beta..... Wheeling Jesuit University, Wheeling
 Wisconsin Alpha..... Mount Mary College, Milwaukee
 Wisconsin Gamma..... University of Wisconsin-Eau Claire, Eau Claire

Kappa Mu Epsilon National Mathematics Honor Society


2011-2013



FOUNDED 1931

www.kappamuepsilon.org

*Member of the Association of
College Honor Societies since 1968*



Cover Emblem: The symbols that represent Kappa Mu Epsilon are derived from the five-pointed star and pentagon of the first fraternity in mathematics, whose members reverently referred to themselves as the Pythagoreans. Since the graph of the equation $\rho = a \sin 5\theta$ (a five leafed rose) fits into the pentagon, the wild rose which usually has five petals was chosen as the society's flower. Moreover, the pink of the wild rose and the silver of the star were chosen for the colors. Five specialized symbols were then selected and placed around the star on the shield to recognize important occupations related to mathematics. This symbolism of Kappa Mu Epsilon may be explained to anyone interested, and since guests are always welcome at installation-initiation ceremonies as well as any other local, regional, or national events, the society's motto cordially invites everyone to "develop an appreciation for the beauty in mathematics."

Kappa Mu Epsilon

National Mathematics Honor Society

2011–2013

The rapid growth of colleges and universities in the United States during the latter part of the 19th Century led to the development of professional societies in every field. Local clubs were formed in educational institutions to promote the rising professionalism, and the desire for affiliation with other groups of similar interest led to the organization of these local clubs into state and national fraternities. Various fields, such as law, medicine, science, engineering, and teaching, were eventually represented by fraternities with large memberships, and toward the beginning of the 20th Century, Pi Mu Epsilon became the leading society that was formed to encourage and honor professionalism among the nation's students of graduate mathematics. Since the first fraternities open to undergraduate students were organized by engineering and science departments in which more students tended to specialize, the need for a national society for encouraging and honoring serious students of undergraduate mathematics began to arise. Kappa Mu Epsilon was organized by Dr. Emily Kathryn Wyant in 1931 to fill this need.



Dr. Wyant joined the faculty of Northeastern Oklahoma State Teachers College, as a Professor of Mathematics, in 1930, and as a member of Pi Mu Epsilon, her irrepressible enthusiasm helped to transform the local mathematics club, which had been in existence since 1927, into the first chapter of Kappa Mu Epsilon. Professor L. P. Woods, who was head of the Department of Mathematics and Dean of Men at the time, became a valuable coworker, who was concerned with many details that pertained to the project, including the first rituals used for the initiation of members and the installation of officers. Together Dr. Wyant and Professor Woods along with twenty-two other faculty and students became charter members of Oklahoma Alpha, Northeastern Oklahoma State Teachers College at Tahlequah, April 18, 1931.

The second chapter of Kappa Mu Epsilon, Iowa Alpha, was installed at Iowa State Teachers College, Cedar Falls, May 27, 1931, and Kansas Alpha, the third chapter, was installed January 30, 1932, at Kansas State Teachers College, Pittsburg. Then came Missouri Alpha, Southwest Missouri State College at Springfield, May 20, 1932. Meanwhile, the Mississippi State College for Women and the men of Mississippi State College began to work with each other, but rather than forming a competing organization they agreed to unite with the other chapters that had already started Kappa Mu Epsilon. Thus, Mississippi Alpha, Mississippi State College for Women, was installed at Columbus on May 30, 1932, and Mississippi Beta, Mississippi State College, was installed at Mississippi State on December 14, 1932, bringing the membership to six chapters in five states. However, since the courteous men at the State College always deferred to charming women, it is difficult to determine from the records which of these two southern colleges had the idea first. Dr. J. A. G. Shirk of the Kansas State Teachers College at Pittsburg, who succeeded Dr. Wyant as the Second President of Kappa Mu Epsilon, observed, "The growth and the influence of Kappa Mu Epsilon in a little over a decade give a portent of its greater contributions in the decades yet to come."

This general information brochure about the Kappa Mu Epsilon National Mathematics Honor Society is a revision of one first introduced at the Twentieth Biennial National Convention. The quotation of Dr. Shirk and related material were obtained from his article, "The Early Years of Kappa Mu Epsilon," The Pentagon 1:2(Spring 1942), pages 80–83. Further information can be obtained from the national officers as well as additional items that appear in The Pentagon, which is published twice each year as the official journal of the Kappa Mu Epsilon Mathematics Honor Society and which may have been named after the mathematics club that eventually became the first chapter.

Today Kappa Mu Epsilon has become a specialized honor society with 143 or more active chapters, located in colleges and universities of recognized standing, which offer a strong mathematics major, in thirty-six states. The chapters' members are selected from students of mathematics or closely related fields, who have professional merit and attain academic distinction. Over seventy thousand students have been initiated so far, and since Kappa Mu Epsilon was founded, they have helped it to become more than a group of isolated chapters devoted solely to the recognition of honor students. Indeed, each chapter is encouraged to be a functional organization with extra-curricular activities that add interest to student life and departmental offerings throughout the academic year.

Who May Become a Member?

A member (a) must be or have been a faculty member or a regularly enrolled student at an institution where a Kappa Mu Epsilon chapter is installed, (b) must have completed at least three semesters or five quarters at the institution, ranking in the upper 35% of his or her class, and (c) must have completed at least three college courses in mathematics including at least one semester or two quarters of calculus and attained an average grade of B or higher in all mathematics courses, or (d) must have completed at least one semester or one quarter at the institution, after having transferred from another institution, and have completed at least one mathematics course with a grade of B or higher at the institution, prior to his or her induction. Election to membership in Kappa Mu Epsilon is independent of membership in any other organization, and no one may be disqualified prejudicially. The following reasons explain why many students aspire to membership in Kappa Mu Epsilon.

1. Membership in Kappa Mu Epsilon recognizes, honors, and remembers individual achievement in mathematics that provides distinction and encouragement at a time when the training needs of our society are becoming more quantitative. Chapter officers, committee members, and individual students obtain favorable opportunities for leadership experience, and if necessary, the members of one chapter may present their membership credentials to take an official part in the activities of another chapter.

Members of Kappa Mu Epsilon are also qualified for a GS–7 rating by the United States Civil Service Commission through the Association of College Honor Societies. This association, which serves as a general coordinating agency, maintains high standards for the recognition and promotion of academic excellence in higher education. Kappa Mu Epsilon joined it in 1968 and is pleased to be counted among the sixty-five affiliated societies, representing many different areas of knowledge, that help to support it.

2. The chapters of Kappa Mu Epsilon sponsor a variety of interesting educational and social activities for their members. For example,

some chapters hold public meetings and bring speakers of local or national prominence before the group. By furnishing opportunities for individual expression, the members are also invited to present informal papers and discuss topics of mutual interest before a friendly audience, thus broadening their professional development while increasing their knowledge of mathematics.

National conventions are held during odd numbered years for the purpose of receiving student papers, electing officers and voting on motions for establishing new chapters or otherwise governing the society. Indeed, the official business of Kappa Mu Epsilon is transacted at these conventions by the delegates from the chapters that are in attendance and the members of the National Council, which includes the National President, President-Elect, Historian, Secretary, and Treasurer. Since 1972, regional conventions have been held during even numbered years under the sponsorship of a Regional Director in cooperation with the National Council. When a chapter decides to host a regional convention, chapters within the region as well as those from neighboring areas are invited to attend.

3. The National Council encourages active members to present formal papers at regional and national conventions by returning some of the national initiation fees to the local chapters for program or travel expenses. When a paper reaches one of these conventions, its academic level is sufficiently good to be considered for publication in The Pentagon. Each initiate receives online access to The Pentagon in addition to a personal membership certificate and valuable key pin, as part of their national initiation fees.

Besides student papers, The Pentagon contains news items about various chapters and their activities as well as interesting problems and book reviews that help to promote the following five-fold mission of the society: (a) to further the interests of mathematics in colleges and universities that place their primary emphasis on undergraduate programs, (b) to help undergraduate students realize the important role that mathematics contributes to the development of civilization, (c) to develop an appreciation of the power and beauty possessed by mathematics by virtue of its demand for logical and rigorous modes of thought, (d) to provide a society for the recognition of outstanding achievement in the study of mathematics at the undergraduate level, and (e) to disseminate the knowledge of mathematics and familiarize its members with current progress in this important area of human interest.

How May New Chapters Be Formed?

The Kappa Mu Epsilon National Mathematics Honor Society invites inquiry from accredited colleges and universities, where it can be shown that the organization of a chapter would promote this five-fold mission. According to the constitution, "an organized group of at least ten members from an accredited (by the appropriate regional accrediting agency) four-year college or university may petition for a chapter." However, there is no particular type of institution where Kappa Mu Epsilon functions best. Though some chapters are small, others may have a hundred active members. Information about the petitioning process for joining the network of local chapters is available from the National President or from the KME website (www.kappamuepsilon.org). In addition, the online Chapter Handbook, see link titled Documents, is a valuable reference for a wide variety of chapter information.

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