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Upward bound math science

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UBMS provides various services, including tutoring, individualized academic advising, career exploration, college admission assistance, financial aid and scholarship assistance, and bi-weekly stipends for participants. The program components include after-school tutoring, scheduled meetings with advisors, and summer programs that offer classes, tutoring sessions, academic workshops, and educational activities. Eligibility requirements include being a U.S. citizen or permanent resident, having a household income that meets low-income guidelines, being a potential first-generation college graduate, being in high school (grades 9-12), wanting to attend college after high school graduation, and attending a target school. Preferences are given to students in 9th and 10th grade with a strong interest in math, science, or engineering who attend specific target schools. Students from Riverside International High School, Reagan IB High School, Casimir Pulaski High School, Milwaukee Marshall High School, and others plan to stay through high school graduation. These students participate twice weekly in the fall and spring tutoring program, annually complete a six-week summer program, and attend workshops, college visits, academic, and enrichment activities. To apply for the UWM Upward Bound Math & Science program, individuals can download the UBMS Online Application or print the UBMS Printable Application. Staff: Loretta Gross serves as Pre-College Services Manager at 414-229-4434, lorettag@uwm.edu. Richard Nwabuzor is a Pre-College Services Advising Specialist at 414-251-6791 in Mitchell Hall, Room 165. The Upward Bound Math Science program is part of the TRIO programs, aiming to help low-income and first-generation college-bound students succeed in higher education. It assists students in recognizing and developing their math and science potential and encourages them to pursue post-secondary degrees in these subjects. The program serves 50 students from specific schools or public schools in designated areas. Services include after-school tutoring, weekday afternoon classes, science vacation weeks, and a six-week summer residential program on the Boston University campus. Students participate in hands-on science activities, work in research labs, and receive a small stipend for their involvement. The program's mission is to help participants acquire academic tools, financial resources, and self-confidence to achieve a four-year degree and ultimately a STEM career. Office of Postsecondary Education (OPE) Page Last Reviewed: April 24, 2025 The University of Tennessee, Knoxville established Upward Bound Math-Science in 1991, focusing on supporting disadvantaged college students in STEM fields through hands-on mentoring and research experience. This initiative aims to bridge the gap in representation of underprivileged students in math and science majors. The program initially covered eight states but was later re-designed to serve East Tennessee's rural counties, where students face significant poverty levels and limited access to resources. With a long history spanning over 30 years, UBMS has assisted more than 2,000 students in pursuing STEM careers. Despite the region's low test scores and lack of financial resources, many target school students possess the capacity to succeed in math and science post-secondary programs if provided with additional guidance, support, and services. The Upward Bound Math and Science (UBMS) program aims to equip students from East Tennessee with the skills and resources necessary to succeed in math and science. By providing intensive instruction, hands-on experience, and guidance, UBMS seeks to propel students towards post-secondary education and ultimately, STEM careers. The program includes college admissions guidance, ACT preparation, academic year components, and a six-week residential summer component featuring scientific research studies and cultural activities. Additionally, MSUB offers competitive scholarships for graduating seniors, ensuring they are well-prepared for the next steps in their educational journey. Once students are admitted, UBMS staff track alumni for six years after high school graduation or until degree completion. The program's ultimate goal is to help students recognize and develop their potential to excel in math and science, ultimately leading them towards STEM fields and careers. Contact: Leigh Ann Elkins (Principal Investigator / Project Director) at lacampbe@utk.edu or Dodd Crowe at dcrowe5@utk.edu for more information. This program lets everyone join in, no matter what their background is. The University of Nevada, Reno got \$6.7 million from the U.S. Department of Education for their Upward Bound programs. This money will help them keep doing things like giving free college prep services to students who need it and are first-generation high schoolers. Ellen Houston said that this funding means they can give more support to local high schoolers in Washoe and Lyon counties by providing them with free college preparation services. The UB/UBMS team works hard to help young people go to college. They do things like take students on college tours, show them what STEM careers are all about, teach them financial literacy, and even give them internships. One of their alumni, Mary Quiroga, said that being part of the UB/UBMS family made her feel supported and helped her succeed academically and personally. Students who join this program commit to doing a lot of college prep work, like attending monthly workshops and tutoring sessions on campus, participating in service learning events, and meeting with advisors at their high schools. Jennifer Sims said that she's amazed by the hardworking and talented students they have. This program is all about supporting first-generation, income-qualified students as they get ready for college. Upward Bound serves 246 students across eight schools in Lyon and Washoe County School Districts The Lyon and Washoe Grant Programs support students from North Valleys High School and Procter R. Hug High School The Northwest Grant Program serves Fernley High School and Silver Stage High School The Truckee Grant Program supports Sparks High School and Spanish Springs High School The Silver Math Science Grant Program helps students at Earl Wooster High School and Edward C. Reed High School UB/UBMS is more than just academic advising, it's a way to achieve college degrees and turn dreams into reality for first generation students TRIO STEM Scholars support first-generation, income-qualified undergraduate students in overcoming cultural, academic, and socioeconomic barriers to success. McNair Scholars offer research opportunities and academic experiences for first-generation, income-qualified, and underrepresented University of Nevada, Reno juniors and seniors aiming for a doctoral degree. Fostering the Pack assists college students who experienced foster care in Nevada after age 13. Child Care Access Mean Parents in School (CCAMPIS) provides quality campus-based child care and academic services to support income-qualified parents pursuing post-secondary education. The Upward Bound Math and Science program (UBMS) enhances math and science skills for participating students, aiming to recognize and develop their potential to excel in these fields. This program is designed for 9th, 10th, and 11th-grade students from low-income or disadvantaged backgrounds at Robichaud High School who show academic promise, with a preference given to those interested in STEM fields. Participants receive intensive instruction in mathematics and science, hands-on projects, computer applications, and exposure to real-world STEM careers through field trips and guest speakers.