



Scholars Academy Recent Student Successes 2004-2009

- **Retention rate of 85%** within the Scholars Academy (SA) continues to remain the approximate average from semester to semester (rate excludes transfers/graduates). This success is even more impressive when one considers that these are STEM majors attending a public urban university, University of Houston-Downtown (UHD).
- Between recent graduates and past SA Alumni, **numerous students will/have begun graduate/professional programs** at the following institutions.
 - **16 students in Fall 2009** – 1 at Baylor College of Medicine; 1 at Columbia Univ.; 1 at New Mexico State Univ.; 1 at Texas College of Medicine; 2 at Univ. of Houston; 1 at UHD; 3 at Univ. of Texas at Houston; 3 at Univ. of Texas Health Science Center at San Antonio; 2 at Univ. of Texas Medical Branch; 1 at Univ. of Texas Southwestern
 - **11 students in Fall 2008** – 1 at American College of Medicine in Antigua, NY; 1 at Baylor College of Medicine; 1 at Texas A&M Univ.; 1 at Texas Southern Univ.; 1 at Univ. of Maryland - College Park; 1 at Univ. of South Alabama; 2 at Univ. of Texas Health Science Center at Houston; 3 at Univ. of Texas Southwestern
 - **12 students in Fall 2007** – 1 at Sam Houston State University; 1 at Texas A&M Univ.; 1 at Texas Tech; 2 at Univ. of Houston, 1 at University of South Alabama; 5 at Univ. of Texas Health Science Center at Houston; 1 at Univ. of Texas Medical Branch; 3 at Univ. of Texas Southwestern; and 1 at Vanderbilt University.
- **Graduate School and Internship Fair (GSIF) at UHD.** The purpose of GSIF is to help promote students within the College of Sciences and Technology to prospective graduate schools and internships. It additionally serves a second purpose of showcasing the academic projects undertaken by UHD students in science, technology, engineering, and mathematics. Approximately, 35 graduate/internship representatives regularly attend the event.
 - **Fall 2009** – 29 UHD STEM majors presented 22 research poster presentations.
 - **Fall 2008** – 28 UHD STEM majors presented 21 research poster presentations.
 - **Fall 2007** – 21 UHD STEM majors presented 16 research poster presentations.
 - **Fall 2006** – 23 UHD STEM majors presented 19 research poster presentations.
 - **Fall 2005** – 23 UHD STEM majors presented 17 research poster presentations.
 - **Fall 2004** – 31 UHD STEM majors presented 25 research poster presentations.
- **Annual Student Research Conference (SRC) at UHD.** This is a university-wide conference for students to present research projects. This presentation experience is an important experience for the underrepresented students and provides an advantage when they apply to graduate school.
 - **Spring 2009** – 99 UHD STEM majors presented 64 research projects in oral and poster presentations. Another 36 projects were presented by other non-STEM majors.
 - **Spring 2008** – 122 UHD STEM majors presented 75 research projects in oral and poster presentations. Another 25 projects were presented by other non-STEM majors.
 - **Spring 2007** – 112 UHD STEM majors presented 60 research projects in oral and poster presentations. Another 24 projects were presented by other non-STEM majors.

The **UHD Scholars Academy (SA)** is an academically competitive program in the College of Sciences and Technology (CST) that promotes scholarship and student success for undergraduate students majoring in Science, Technology, Engineering and Mathematics (STEM).

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- **Spring 2006** – 122 UHD STEM majors presented 83 research projects in oral and poster presentations. Another 19 projects were presented by other non-STEM majors.
- **Spring 2005** – 85 UHD STEM majors presented 55 research projects in oral and poster presentations. Another 11 projects were presented by other non-STEM majors.
- **Fall 2003** – 51 UHD STEM majors presented 37 research projects in oral and poster presentations.
- **Participation in National Competitive Summer Research Programs.** These are student participation within off-campus, competitive paid summer research programs.
 - **Summer 2009** – 18 SA members participated in off-campus research; 1 additional undergraduate was selected to participate in a SMDEP summer program; 8 additional students participated in an international research program in Poland.
 - **Summer 2008** – 13 SA members participated in off-campus research; 4 additional undergraduates were selected to participate in SMDEP summer programs; 12 additional students participated in an international research program in Poland.
 - **Summer 2007** – 11 SA members participated in off-campus research; 8 additional undergraduates were selected to participate in SMDEP summer programs; 6 additional students participated in an international research program in Poland.
 - **Summer 2006** – 13 SA members participated in off-campus research; 4 additional undergraduates were selected to participate in SMDEP summer programs.
 - **Summer 2005** – 13 SA members participated in off-campus research.
 - **Summer 2004** – 16 students participated in off-campus research programs.
- **Participation in Competitive Summer Undergraduate Research Program (SURP) at UHD.** All on-campus research interns present their work at local, regional and/or national research conferences, including the annual UHD Student Research Conference. Most SURP participants also continue their research into the fall/spring semesters on-campus.
 - **Summer 2009** – 55 students participated in research on-campus.
 - **Summer 2008** – 58 students participated in research on-campus.
 - **Summer 2007** – 60 students participated in research on-campus.
 - **Summer 2006** – 51 students participated in research on-campus.
 - **Summer 2005** – 46 students participated in SURP.
 - **Summer 2004** – 49 students were selected to participate in UHD's SURP within the College of Sciences and Technology.
- **Red Rose Ball Scholarship Award Recipients.** These are awarded by the UHD President's Office and are the most prestigious student awards given at UHD.
 - **2009-2010** – 13 of the 25 are from SA
 - **2008-2009** – 12 of the 25 are from SA
 - **2007-2008** – 8 of the 25 are from SA
 - **2006-2007** – 13 of the 25 were from SA
 - **2005-2006** – 10 of the 25 were from SA
 - **2004-2005** – 15 of the 25 awardees were SA members
- **Recognition for outstanding research and/or attendance at major STEM conferences.**
 - **Fall 2009 – Supercomputing Conference, Portland, OR**
 - 1 student presented a research poster
 - **Fall 2009 – National Sigma Xi Student Research Conference, The Woodlands, TX**
 - 9 students presented research posters; 1 of these received an award
 - **Fall 2009 – Fifth Annual Texas Undergraduate Mathematics Conference, Huntsville, TX**
 - 5 students attended; 2 of these presented oral research presentations
 - **Fall 2009 – Texas Branch Fall Meeting of the American Society for Microbiology, Tyler, TX**
 - 2 students presented (1 research poster and 1 oral); the oral presenter received an award

- **Fall 2009 – Annual Biomedical Research Conference for Minority Students (ABRCMS), Phoenix, AZ**
 - 3 students presented research posters and 1 student presented an oral
- **Fall 2009 – 19th Keck Center Annual Research Conference, Houston, TX**
 - 3 students attended
- **Fall 2009 – Regional Undergraduate Chemistry Symposium at Rice University, Houston, TX**
 - 6 students presented (2 joint research posters and 1 oral)
- **Fall 2009 – First Annual Undergraduate Conference at the Interface of Biology and Mathematics at the Univ. of Tennessee-Knoxville, Knoxville, TN**
 - 3 students presented orals; 1 of these received a presentation award
- **Fall 2009 – National Society for the Advancement of Chicanos and Native Americans in Science (SACNAS) Conference, Dallas, TX**
 - 8 students presented research posters and received travel grants
- **Fall 2009 – Hispanic Engineer National Achievement Awards Conference, Long Beach, CA**
 - 18 students attended
- **Fall 2009 – Third Annual Iowa Mathematical Field of Dreams Conference and StatFest Conference, Iowa City, Iowa**
 - 1 student attended with sponsored travel funds
- **Spring 2009 – Mathematical Association of America (MAA) Texas Section Annual Meeting, Denton, TX**
 - 2 students attended; 1 student made an oral presentation
- **Spring 2009 – Richard Tapia Celebration of Diversity in Computing Conf., Portland, OR**
 - 7 students attended; 3 received travel grants
- **Spring 2009 – Lone Star Graduate Diversity Colloquium, San Antonio, TX**
 - 1 student attended with a travel grant
- **Spring 2009 – Texas Branch of the American Society for Microbiology, New Braunfels, TX**
 - 11 students presented research posters, 1 of these students made oral presentations; 1 received an oral award, plus three alums made oral/poster presentations and two of these received awards
- **Spring 2009 – Computing Alliance for Hispanic-Serving Institutions Annual Meeting, Mountain View, CA**
 - 14 students attended; 6 students presented research posters
- **Spring 2009 – Georgia Institute of Technology 2009 FOCUS Scholars Program, Atlanta, GA**
 - 4 students attended with partial travel awards
- **Spring 2009 – Mathematical Association of America (MAA) 2009 Joint Mathematics Meetings, Washington, DC**
 - 9 students attended; 7 students presented research posters
- **Fall 2008 – National Sigma Xi Student Research Conference, Washington, DC**
 - 4 students presented research posters
- **Fall 2008 – 2008 Supercomputing Conference, Austin, TX**
 - 6 students attended; 3 students presented a joint research poster
- **Fall 2008 – Annual Biomedical Research Conference for Minority Students (ABRCMS), Orlando, FL**
 - 13 students presented research posters and 1 student presented an oral; 6 of these also received travel grants; 2 received poster awards
- **Fall 2008 – National Society for the Advancement of Chicanos and Native Americans in Science (SACNAS) Conference, Salt Lake City, UT**
 - 8 students presented research posters and received travel grants; 1 won a poster award
- **Fall 2008 – Hispanic Engineer National Achievement Awards Conference, Houston, TX**
 - 40 students attended and 5 competed within the HENAAC College Bowl competition
- **Fall 2008 – Grace Hopper Celebration of Women in Computing Conference, Keystone, CO**
 - 3 students attended

- **Fall 2008 – UH Undergraduate Research Day, Houston, TX**
 - 1 student presented a research poster
- **Fall 2008 – Fourth Annual Texas Undergraduate Mathematics Conference, Huntsville, TX**
 - 8 students attended; 2 students presented oral research presentations
- **Fall 2008 – Geological Society of America (GSA) 2008 Joint Annual Meeting, Houston, TX**
 - 6 students and a recent alum presented research posters
- **Spring 2008 – Undergraduate Biomathematics Day at the Buffalo and Geneseo SUNY Colleges, Niagara Falls, NY**
 - 3 students presented research posters
- **Spring 2008 – Urban University Conference Series - LSAMP Program Undergraduate Student Research Conference, NY, NY**
 - 2 students presented research posters
- **Spring 2008 – 2008 National Institute of Standards and Technology (NIST) Annual Fire Conference, Gaithersburg, MD**
 - 1 student presented a research poster
- **Spring 2008 – Lone Star Graduate Diversity Colloquium, Lubbock, TX**
 - 3 students attended
- **Spring 2008 – 22nd National Conference on Undergraduate Research, Salisbury, MD**
 - 1 student presented a research poster
- **Spring 2008 – 2008 SHPE/GEM GRAD Lab at Univ. of Texas-El Paso, El Paso, TX**
 - 2 students attended
- **Spring 2008 – Texas-Section American Society of Civil Engineers Conference, Corpus Christi, TX**
 - 1 student presented a research poster
- **Spring 2008 – American Chemical Society National Meeting, New Orleans, LA**
 - 1 student presented a research poster
- **Spring 2008 – Undergraduate Biomathematics Day at the Buffalo and Geneseo SUNY Colleges, Niagara Falls, NY**
 - 4 students presented research posters
- **Spring 2008 – Mathematical Association of America (MAA) Texas Section Annual Meeting, Stephenville, TX**
 - 6 students attended; 2 students presented research posters
- **Spring 2008 – Texas Branch of the American Society for Microbiology, New Braunfels, TX**
 - 13 students attended; 8 presented research posters; 1 received a poster award
- **Spring 2008 – 111th Texas Academy of Science Annual Meeting, Waco, TX**
 - 5 students presented research posters
- **Fall 2007 – 2nd Annual Meeting for the Computing Alliance of Hispanic-Serving Institutions, Miami, FL**
 - 1 student attended
- **Fall 2007 – Supercomputing Conference 2007, Reno, NV**
 - 1 student attended
- **Fall 2007 – 63rd Southwest Regional Meeting - American Chemical Society, Lubbock, TX**
 - 1 student presented a research poster
- **Fall 2007 – U.S. Dept. of Energy 2007 Day of Science, Knoxville, TN**
 - 2 students attended
- **Fall 2007 – Annual Biomedical Research Conference for Minority Students (ABRCMS), Austin, TX**
 - 2 students presented research posters
- **Fall 2007 – Third Annual Texas Undergraduate Mathematics Conference, Huntsville, TX**
 - 6 students attended
- **Fall 2007 – National Sigma Xi Student Research Conference, Orlando, FL**
 - 2 students presented research posters

- **Fall 2007 – National Society for the Advancement of Chicanos and Native Americans in Science (SACNAS) Conference, Kansas City, MO**
 - 8 students presented research posters and received travel grants
- **Fall 2007 – Einsteins in the City, New York, NY**
 - 4 students presented research posters; 1 received a poster award
- **Fall 2007 – American Medical Student Association at American Riverside College, Sacramento, CA**
 - 2 students attended with travel support from student activities
- **Fall 2007 – Hispanic Engineer National Achievement Awards Conference, San Diego, CA**
 - 11 students attended and competed within the HENAAC College Bowl competition
- **Summer 2007 – Latin American and Caribbean Consortium of Engineering Institutions (LACCEI) - Fifth Latin American and Caribbean Conference in Tampico, MX**
 - 1 student presented a joint research poster
- **Spring 2007 – Minority Graduate Education at Mountain States Alliance (MGE@MSA)/Western Alliance to Expand Minority Opportunities (WAESO) Conference, Tempe, AZ**
 - 2 students presented research posters and received travel grants; 1 received a poster award
- **Spring 2007 – 21st National Conference on Undergraduate Research (NCUR(r) 21), San Rafael, CA**
 - 2 students presented a joint research poster
- **Spring 2007 – 2007 National Institute of Standards and Technology (NIST) Annual Fire Conference, Gaithersburg, MD**
 - 1 student presented a research poster
- **Spring 2007 – Texas Branch of the American Society of Microbiology Meeting, Fisher, TX**
 - 11 students attended; 3 presented research posters and 1 delivered an oral presentation; 1 won first place in the poster competition and 1 won first place in the oral competition
- **Spring 2007 – 110th Texas Academy of Science Annual Meeting, Waco, TX**
 - 11 students presented research posters; 2 received poster awards
- **Fall 2006 – Houston LSAMP National Student Research Conference, Houston, TX**
 - 23 students attended; 4 of these presented; 1 of which won 2nd Place Poster Award in Engineering Technology
- **Fall 2006 – Sigma Xi Annual Meeting and Student Research Conference, Detroit, MI**
 - 2 students presented research posters
- **Fall 2006 – Annual Biomedical Research Conference for Minority Students (ABRCMS) in Anaheim, CA**
 - 2 students presented research posters; 1 won a poster award
- **Fall 2006 – National Society for the Advancement of Chicanos and Native Americans in Science (SACNAS) Conference, Tampa, FL**
 - 8 students attended and received travel grants; 4 presented research posters; 1 won Best Poster in Biological Sciences
- **Fall 2006 – 2nd Annual Texas Undergraduate Mathematics Conference, Huntsville, TX**
 - 5 students attended; 3 of which presented research posters
- **Fall 2006 – 62nd Southwest Regional Meeting of the American Chemical Society (SWRM), Houston, TX**
 - 2 students presented research posters
- **Fall 2006 – Hispanic Engineer National Achievement Awards Conference, Anaheim, CA**
 - 6 students attended and competed within the HENAAC College Bowl competition
- **Spring 2006 – RadTech 2006 e/5 UV&EB International Conference, Chicago, IL**
 - 4 students attended; 2 of which presented research posters; 1 won best student paper presentation award

- **Spring 2006 – Minority Graduate Education at Mountain States Alliance (MGE@MSA)/Western Alliance to Expand Minority Opportunities (WAESO) Conference, Tempe, AZ**
 - 7 students presented research posters and received travel grants; 4 received poster awards.
- **Spring 2006 – Peer-Led Team Learning National Conference, Houston, TX**
 - 18 students attended
- **Spring 2006 – Texas Branch of the American Society of Microbiology Meeting, Fisher, TX**
 - 11 students attended; 3 of which presented research posters; 2 won awards
- **Spring 2006 – Texas Academy of Science 109th Annual Meeting, Edinburg, TX**
 - 3 students presented research posters
- **Spring 2006 – Mathematical Association of American National Meeting, San Antonio, TX**
 - 5 students attended; 4 of which presented research posters
- **Fall 2005 – The 2005 Pierce’s Disease Research Symposium, San Diego, CA**
 - 1 student presented a joint research poster.
- **Fall 2005 – Sigma Xi Annual Meeting and Student Research Conference, Seattle, WA**
 - 10 students presented research posters; all 10 won either 2nd or 3rd Place.
- **Fall 2005 – Richard Tapia Celebration of Diversity in Computing Conf., Albuquerque, NM**
 - 4 students attended and received travel grants to present research posters
- **Fall 2005 – Hispanic Engineer National Achievement Awards Conference, Anaheim, CA**
 - 10 students attended and competed within the HENAAC College Bowl competition; 1 won a 2nd Place Team Award
- **Fall 2005 – National Society for the Advancement of Chicanos and Native Americans in Science (SACNAS) Conference, Denver, CO**
 - 10 students attended and received travel grants; 6 presented research posters; 1 won Best Poster in Geology
- **Spring 2005 – Evolution 2005 from the Society for the Study of Evolution, the Society of Systematic Biologists, and the American Society of Naturalists, in Fairbanks, Alaska**
 - 1 student presented a research poster
- **Spring 2005 – 2005 Regional Wetlands Technical Conference, Corpus Christi, TX**
 - 1 student presented a research poster
- **Spring 2005 – Minority Graduate Education at Mountain States Alliance (MGE@MSA)/Western Alliance to Expand Minority Opportunities (WAESO) Conference at Arizona State University**
 - 10 students presented research posters and received travel grants
- **Spring 2005 – 7th Annual Research Symposium at UT-Brownsville/TSC**
 - 1 student presented a research poster and won "1st Place" in the Physical Science and Mathematics Category
- **Spring 2005 – Texas Section of the Mathematical Association of America Meeting, Arlington, TX**
 - 9 students attended; 1 of which presented a research poster
- **Spring 2005 – Texas Branch of the American Society of Microbiology Meeting, Fisher, TX**
 - 8 students attended; 5 of which presented research posters; 1 won best undergraduate poster
- **Spring 2005 – UH Local Sigma XI Meeting, Houston, TX**
 - 2 students presented research posters; 1 of which won best poster award
- **Spring 2005 – Texas Academy of Science 108th Annual Meeting, Edinburg, TX**
 - 3 students presented research posters; 2 of which won Honorable Mention for their posters
- **Spring 2005 – 2nd Annual Texas Environmental Leadership Conference at UHD**
 - 1 student presented a workshop; over 160 guests, students, faculty attended
- **Spring 2005 – American Society for the Advancement of Science, Wash., D.C.**
 - 2 students presented research posters
- **Spring 2005 – HENAAC Viva Technology Program**

- 15 students were selected to serve as College Captains for a 1-day local high school enrichment program
- **Fall 2004 – American Society for Gravitational and Space Biology Annual Conference in New York, NY**
 - A freshman presented a research poster and won 3rd place
- **Fall 2004 – Peer-Led Team Learning National Conference, Chicago, IL**
 - 3 students presented a joint poster
- **Fall 2004 – UTHSCH Undergraduate Research Conference, Houston, TX**
 - 4 students presented research posters; a 5th student attended/participated as a peer judge
- **Fall 2004 – Sigma Xi: Scientific Research Society: Student Research Conference in Canada**
 - 2 students attended and presented research posters; one won 2nd place in environmental science, and the other won 3rd place in chemistry
- **Fall 2004 – Texas Branch of the American Society for Microbiology Fall Meeting**
 - 2 students presented their research (one oral and the other student a poster presentation)
- **Fall 2004 – Hispanic Engineer National Achievement Awards Conference, Austin, TX**
 - 6 students attended and competed within the HENAAC College Bowl competition; 1 won a 3rd Place Team Award
- **Fall 2004 – LSAMP State-Wide Student Research Conference, Houston, TX**
 - 22 students attended; 8 of these presented
- **Fall 2004 – National Society for the Advancement of Chicanos and Native Americans (SACNAS) Conference, Austin, TX**
 - 9 students attended (8 received travel grants); 5 presented research posters; 1 won Best Mathematics Poster
- **Spring 2004 – Texas Academy of Sciences Meeting**
 - 7 students presented research posters; 1 student won the 1st Place poster presentation in ecology
- **Spring 2004 – RadTech 2004 e/5 UV&EB International Conference**
 - One student presented 2 technical papers; two students presented posters
- **Spring 2004 – Mini Math Symposium**
 - 3 students won travel grants to attend
- **Spring 2004 Mathematical Association of American Texas Section Meeting**
 - A freshman presented a research poster
- **Fall 2003 – Peer-Led Team Learning National Conference, New York, NY**
 - 3 students presented a joint poster
- **Fall 2003 – National Sigma Xi Student Research Conference**
 - 4 students presented research posters; 1 student placed 1st; 2 students won ‘Runner Up’ awards
- **Fall 2003 – LSAMP State-Wide Student Research Conference, Corpus Christi, TX**
 - 10 students attended; 3 students won 1st, 2nd, and 3rd Place in poster and oral research presentations