

University of Connecticut



At a Glance

SUSAN HERBST, *President*

Mun Y. Choi, *Provost and Executive Vice President for Academic Affairs*

Frank M. Torti, *Executive Vice President for Health Affairs and Dean of the School of Medicine*

Established - 1881

Statutory authority - Chapter 185b, General Statutes

Route 195, Storrs, CT 06269

Number of full-time employees - 4,405 + 4,002 (Health Center)

***Recurring Operating Expenditures - 2012-13 (as of June 2013) \$1,044.7 million
+ \$816.7 million (Health Center)***

Organizational structure - Public State University

Mission

Founded in 1881, the University of Connecticut serves as the flagship for public higher education and the primary doctoral degree granting public institution in the state. The University of Connecticut is dedicated to excellence demonstrated through national and international recognition. As Connecticut's public research university, through freedom of academic inquiry and expression, we create and disseminate knowledge by means of scholarly and creative achievements, graduate and professional education, and outreach. Through our focus on teaching and learning, the University helps every student grow intellectually and become a contributing member of the state, national, and world communities. Through research, teaching, service, and outreach, we embrace diversity and cultivate leadership, integrity, and engaged citizenship in our students, faculty, staff, and alumni. As our state's flagship public university, and as a land and sea grant institution, we promote the health and well being of Connecticut's citizens through enhancing the social, economic, cultural, and natural environments of the state and beyond.

Statutory Responsibility

The General Statutes of the State of Connecticut and the Morrill Act adopted by the United States Congress have charged the University of Connecticut with the responsibility for the

education of Connecticut youth in scientific and classical studies, agriculture and mechanic arts and liberal and practical education. General Statutes give the University authority for programs leading to a wide variety of doctoral degrees and post-baccalaureate professional degrees. The University's constitutional mandate, "excellence in higher education," is accomplished in its traditional triad of academic responsibilities: teaching, research and service (including outreach and public engagement).

Public Service, Research and Clinical Care

University offices authorized by Connecticut General Statutes to serve the public include: Connecticut Museum of Natural History, Sec. 10-112(a-c); Office of Archaeology, Sec. 10a-112; State Historian, Sec. 11-1; State Museum of Art, Sec. 10a-112(g); and Connecticut Poison Center, Sec. 10a-132.

Support for Human Rights in Connecticut and Across the World

The University's commitment to human rights and social justice is evidenced in interdisciplinary instruction in theoretical, comparative, and historical perspectives on human rights through classroom courses, supervised internships, the graduate certificate in human rights, law certificates in human rights and international human rights, and the interdisciplinary undergraduate human rights minor, enrolling approximately 80-100 students per year, making it one of the largest human rights minors in the country.

In the 2012-13 academic year, the College of Liberal Arts and Sciences (CLAS) Human Rights Major was launched with more than 40 students. The major is the sixth of its kind in the United States, the third established at a major research institution and one of the largest programs in human rights in the country. The program spans the social sciences and humanities to teach students about the theory, application and violations of the fundamental rights that apply to humans around the globe.

The University's support for human rights is also evident in the research and public events sponsored by the Human Rights Institute, internationally renowned speakers on human rights issues brought to the campus, activities and archival collections at the Thomas J. Dodd Research Center, and the University's UNESCO (United Nations Educational, Scientific and Cultural Organization) Chair and Institute of Comparative Human Rights, part of a network of 52 Chairs worldwide. The Journal of Human Rights, a major international scholarly publication, is based at UConn with a University faculty member as the editor. The Cingranelli-Richards (CIRI) Human Rights Data project annually updates standards-based quantitative information on government respect for 15 internationally recognized human rights for 202 countries.

A wide range of organizations provide opportunities for students to support and learn about campus, national and international human rights and social justice issues: Amnesty International, UConn Caring Internationally, UConn Chapter of Engineers Without Borders, Idealists United, International Relations Association, Justice for Children International, Lawyers Without Borders, UConn Model United Nations, Public Interest Research Group (ConnPIRG), Student Campaign Against Hunger and Homelessness, UConn V-Day (to promote awareness to help end violence against women and children), and Youth for Human Rights Undergraduate students can showcase their human rights oriented academic work in a UConn student-founded journal, Namaste.

Nearly 100 students and faculty from around the world attended a University hosted 2013 Universitas 21 Summer School at the Storrs Campus designed to offer participants the opportunity to think critically about the place of human rights in the world. Under the leadership of the UConn Human Rights Institute and its Office of Global Programs, the program included an intensive, interdisciplinary curriculum designed to include research and discussion on the origins and issues of the contemporary human rights system., visits to the United Nations and the Open Society Foundation in New York City, hands-on experiences with Connecticut human rights agencies (including ACLU, Migrant Farmworkers Health Clinic and Center for Children's Advocacy, Connecticut Fair Housing Center, and Greater Hartford Legal Aid), and collaborative projects to continue support for human rights in their home countries and universities. The Summer School was made possible by UConn's membership in Universitas 21, a global consortium of 24 top research universities in 16 different countries that provides opportunities to collaborate in research and teaching, as well as exchanges for faculty, staff, and students. In addition to these programs, each year since 2004, one member has hosted a summer school session dedicated to a particular topic, with UConn providing this year's summer school.

The Marsha Lilien Gladstein Visiting Professor of Human Rights this year was Carol Anderson, associate professor of African American Studies and History, Emory University. The Gladstein Visiting Professorship recognizes a distinguished scholar with an international standing in the study of human rights. Anderson in her semester at UConn delivered a major public lecture, taught a seminar on Human Rights and American Exceptionalism, and consulted with the faculty about the direction of UConn's human rights program and development of new courses for the program.

The Stem Cell Research Oversight Committee, established in 2006, continued to ensure that human stem cell research is well-justified and that inappropriate and unethical research is not conducted. Its mandate is to provide oversight of ethical issues related to the derivation and research use of human pluripotent stem cell lines at all schools, colleges, campuses, and research arms of the University of Connecticut.

Enhancing and Improving Access to Health Care

In the year following the beginning of the Bioscience Connecticut Initiative, championed by Governor Dannel P. Malloy and approved by the Connecticut General Assembly in 2011, Bioscience Connecticut has garnered more than \$1.45 million in philanthropic support, created about 500 construction and related jobs on the UConn Health Center campus, and had 85 percent of all work going to Connecticut-based contractors. The Bioscience Connecticut Initiative (Public Act 11-75) is a bold \$864 million plan to reinvigorate all three areas of the Health Center's mission – research, education and clinical care. It is a multifaceted plan that will strengthen the state's position as a national and global center for bioscience innovation and improve access to quality health care for Connecticut citizens, drawing upon research resources from UConn, the UConn Health Center, Yale University, and points in between, and securing the Health Center's future as a top tier academic medical center. Planned programmatic components include: recruiting 100 new faculty, including clinician-scientists, basic scientists and clinicians to increase healthcare access and double federal and industry research awards; doubling existing business incubator space; expanding the School of Medicine and School of Dental Medicine class sizes by 30 percent; implementing a loan forgiveness program for UConn medical and

dental school graduates who pursue careers in primary care in Connecticut; and partnering with local hospitals and health care organizations to address pressing health care needs.

The groundbreaking ceremony for the Jackson Laboratory for Genomic Medicine on the Health Center campus celebrated a historic partnership between the state, the University of Connecticut, and The Jackson Laboratory, an independent nonprofit biomedical research institution based in Bar Harbor, Maine. The new laboratory will support research collaborations aiming to uncover genomic causes of human diseases and shape new approaches in personalized medicine to prevent, detect, and treat them. More than 200 people, many of them Jackson researchers making the trip from Bar Harbor, attended the groundbreaking of the 189,000-square-foot research building. The daylong event also included an open house at Jackson's leased space on the first floor of the Health Center's Administrative Services Building, where three dozen Jackson employees – many of whom are from Connecticut - already are working, an academic seminar by genomicist Charles Lee of Brigham and Women's Hospital and Harvard Medical School, and a networking reception. The Jackson Laboratory intends to employ 300 biomedical researchers, technicians, and support staff by 2020.

In a planned collaboration with The Jackson Laboratory, the University has established the Institute for Systems Genomics to develop a world-class program for research and training in genomics medicine, build relationships between the academic and corporate communities, and encourage students to pursue careers in genomics studies. Initial areas of emphasis will include: establishment of a new Ph.D. program in computational genomics and biology and exploration of an undergraduate degree in genomics; education of the general public and primary care providers about the importance of genomics research; foster research in genomics, across UConn's campuses and beyond, by bringing researchers together to discuss areas of mutual interest and to develop grant applications for focused studies; and foster economic development within Connecticut in the genomics research industry. Institute partners include the University of Connecticut, The Jackson Laboratory, the UConn Health Center, Connecticut Children's Medical Center, and other regional hospitals and health care organizations.

UConn's Health Center, based in Farmington, a suburb of the state's capitol of Hartford, is home to the School of Medicine, the School of Dental Medicine, John Dempsey Hospital, UConn Medical Group, UConn Health Partners, University Dentists and a thriving research enterprise. Health care services are comprehensive. John Dempsey Hospital provides specialized and routine inpatient and outpatient services for adults. It is widely recognized for its excellence in geriatrics, maternal-fetal medicine, cardiology, cancer, and orthopaedics. In addition, the John Dempsey Hospital is home to the only full service Emergency Department in the Farmington Valley. UConn Medical Group – more than 450 physicians with expertise in more than 50 specialties – form the region's largest multispecialty practice. This includes a wide range of outpatient services, ranging from primary care, OB/GYN and dermatology to personalized services for older adults through the Center on Aging, and many specialty services. Patients are seen on the Farmington campus, as well as satellite offices in West Hartford, East Hartford, Avon, Simsbury and Southington. The University Dentists group provides complete preventive, corrective and restorative care for patients of all ages. In addition, the student and resident run dental services provide an affordable safety net for patients with little or no insurance. A Center for Implant and Reconstructive Dentistry offers contemporary dental implant therapies and is engaged in sophisticated research into bone growth and augmentation. The Health Center is among the top five hospitals in the state in providing inpatient care to Medicaid patients and the largest single provider of dental services to Medicaid clients. The

Correctional Managed Health Care program, a partnership with the Department of Correction, delivers comprehensive managed health care to State of Connecticut inmates. Medical, mental health, dental and ancillary services are provided in all 18 correction facilities across the state.

The Health Center has numerous specialized centers for a wide range of clinical and health services. Examples include the New England Musculoskeletal Institute and the Department of Rehabilitation and Sports Medicine, which offer complete care for a range of problems affecting bones, joints, muscles and connective tissue with diverse services ranging from orthopaedic surgery, total joint replacement, hand, foot and ankle, and neck and back pain, to care for osteoporosis, arthritis and other rheumatologic conditions. The Alcohol Research Center, one of only 14 such federally-supported Centers in the nation, focuses on the etiology and treatment of alcoholism but also has programs of research on other psychoactive substances (including heroin, marijuana, and cocaine), pathological gambling, and HIV/AIDS. The Connecticut Clinical Chemosensory Research Center is one of five federally supported centers for investigating the smell and taste function. The Claude Pepper Older Americans Independence Center is one of 10 federally supported centers with clinical research on bone as its major focus.

In addition to the comprehensive health care services of the Health Center, the University has many centers and services offering health care and educational information to the University community and to the public. Examples include: Center for Health, Intervention and Prevention (CHIP); Center for Public Health and Public Policy; College of Agriculture and Natural Resources (CANR) Center for Environmental Health, Connecticut Center for Eliminating Health Disparities among Latinos, and Expanded Food and Nutrition Education Program; CLAS Center for the Study of Culture, Health, and Human Development, Child Development Laboratories, and Speech and Hearing Clinic; Neag School of Education (NEAG) Center on Postsecondary Education and Disability and Nayden Physical Therapy Rehabilitation Clinic; School of Business (BU) Programs in Healthcare Management and Insurance Studies; School of Nursing Center for Nursing Scholarship; and School of Pharmacy Center for Biochemical Toxicology.

Research, Scholarship and Professional Education

UConn research and training grant awards for FY 2013, as of June, 2013, were nearly \$200 million from federal agencies, including the U.S. Department of Agriculture, National Science Foundation (NSF), National Institutes of Health (NIH), National Endowment for the Humanities, and many others, and from such prestigious private entities as Carnegie Corporation of New York, Donaghue Medical Research Foundation, Ford Foundation, and Andrew W. Mellon Foundation. Research is carried out both in the departments of 12 schools and colleges and at more than 85 research centers and institutes across all University campuses. Storrs campus examples include the Biotechnology/Bioservices Center, Center for Actuarial Sciences, Center for Environmental Sciences and Engineering, Center for Land Use Education and Research, Center for Regenerative Biology, Connecticut Center for Economic Analysis, Connecticut Sea Grant College Program, Connecticut Transportation Institute, Institute of Materials Science, Marine Sciences and Technology Center, National Undersea Research Center, Roper Center for Public Opinion Research, and Wildlife Conservation Research Center. The Health Center has a broad array of world-class research centers and activities facilitated by “Signature Programs” in cancer, cardiology, musculoskeletal medicine, and public health. Examples include the Alcohol Research Center, Center for Biomaterials, Center for Cell Analysis and Modeling, Center for

Immunotherapy of Cancer and Infectious Diseases, Center for Molecular Medicine, Ethel Donaghue Center for Translating Research into Practice and Policy, Gambling Treatment and Research Center, New England Musculoskeletal Institute, Pat and Jim Calhoun Cardiology Center, Taste and Smell Center, and Waterborne Disease Center. Many of the centers and institutes benefit from the collaborative efforts of both the Storrs based and Health Center disciplines, including A.J. Pappanikou Center for Developmental Disabilities, Center for Public Health and Health Policy, and Stem Cell Institute.

In addition to the Bioscience Connecticut Initiative and the Jackson Laboratory for Genomic Medicine, which are in development, the Health Center and Storrs have in place cutting edge cell biology and genetics research, and technology transfer in the areas of stem cell biology, advanced microscopy and imaging, computational biology, genetics and other research that ultimately could lead to therapies treating a broad range of diseases and disorders. The Health Center is also home to a robust clinical trials program that intersects with many clinical specialists. The Lyman Maynard Stowe Library at the Farmington campus serves as the Regional Medical Library for New England - one of eight in the federally-supported National Network of Libraries of Medicine.

University of Connecticut researchers have received over \$53.5 million in federal stimulus funds through competitive grants awarded by federal agencies, as part of the American Recovery and Reinvestment Act (ARRA) of 2009. As of the latest (June, 2013) Connecticut Recovery Initiative summary, the Health Center has received ARRA awards totaling \$31.5 million for 60 research projects, and Storrs and the Regional campuses have received awards totaling \$22 million for 79 research projects. The ARRA has supported an infusion of new funds into the federal research funding agencies, a welcome boost for researchers, as budgets at federal agencies have remained flat for several years.

The U.S. Department of Education recently awarded the University more than \$2.1 million over the next three years as fellowship aid to attract talented graduate students who will specialize in critical areas of nursing, education, and engineering. UConn has received fellowship grants in the past seven years through the prestigious federal initiative known as the Graduate Assistance in Areas of National Need (GAANN) Program. The awards recognize the quality of the University's graduate programs and its commitment to helping students launch successful careers in fields that are critical to the nation's economic and social well-being. The GAANN Fellows program will also help UConn focus on enhancing diversity as part of its work to recruit and retain talented graduate students in those fields.

The U.S. Department of Education also awarded UConn a grant of \$220,000 annually for five years for the McNair Post-baccalaureate Achievement Program as part of a national initiative to help undergraduate students from disadvantaged backgrounds pursue doctoral degrees. The Center for Academic Programs will implement the McNair Scholars Program to serve 25 low-income, first-generation, and underrepresented students enrolled in doctoral programs in science, technology, engineering, and mathematics (STEM) fields. The program is named in honor of Ronald E. McNair, a NASA astronaut who died during the launch of Space Shuttle Challenger in 1986. UConn becomes the first public institution in Connecticut to offer the McNair initiative, and is one of only four public institutions throughout New England with the program.

Health Center researcher Brenton Graveley, professor of genetics and developmental biology, was awarded a \$9.3 million grant from NIH to expand scientific understanding of the role that the human genome plays in health and disease. The research of will help expand the

ENCyclopedia Of DNA Elements (ENCODE), a comprehensive catalog of functional elements that control the expression of genetic information in a cell. Graveley is the lead investigator of the project that also includes scientists from the Massachusetts Institute of Technology and the University of California, San Diego. The benefits of this research are both economic and medical and will involve Jackson Labs collaboration.

A \$3.4 million grant from the National Institute on Aging, part of NIH, has funded a multi-year clinical study at the Health Center to compare treatment approaches and their effect on changes in the brain related to mobility, memory and urinary function in older people with hypertension. William White, professor of Medicine and chief of the Calhoun Cardiology Center, and Leslie Wolfson, professor and chair of the Department of Neurology, will see if 24-hour blood pressure monitoring and the lowering of blood pressure can prevent or at least slow the brain's aging process.

In the fall 2012 Annual Faculty Large Grant Competition, The UConn Research Foundation's Research Advisory Council received 51 proposals totaling \$1.1 million and made 24 awards totaling over \$332,000. The goal of these awards is to help faculty move into a better position to apply for and receive extramural funding for their research and scholarly activities.

The Roper Center recognized Adam J. Berinsky, Professor of Political Science at the Massachusetts Institute of Technology, and Eric Schickler, the Jeffrey and Ashley McDermott Professor of Political Science at the University of California, Berkeley, with the 2013 Warren J. Mitofsky Award for Excellence in Public Opinion Research. The award is given for outstanding research or reporting that uses the Roper Center's vast public opinion data archives. In addition to recognizing research with data obtained directly from the Roper archive, the award takes into account both work published recently and from the past that continues to have a significant and demonstrable impact on our understanding of society.

School of Pharmacy's Department of Pharmaceutical Sciences "Hadden Research Laboratory" was awarded an American Cancer Society Research Scholar Award for a project titled "Vitamin D3 Analogues as Hedgehog Pathway Inhibitors." The long-term goal of the Hadden Laboratory research projects is to utilize a chemical biology and medicinal chemistry approach to understanding the mechanisms by which dysregulation of developmental signaling pathways (such as Hedgehog, Wnt, Notch, BMP, and Hippo) contributes to human disease. These pathways have demonstrated key roles in the development and progression of two distinct human disorders: (1) cancer and (2) neurodegenerative disorders.

With a five-year, \$7.5 million investment, GE is expanding its collaboration with UConn to help transform the state's technology and to spark breakthrough innovations in electrical distribution products. The GE financial support includes: \$1.5 million endowment for a GE professorship in the School of Engineering; \$2.7 million grant for graduate and undergraduate sponsorships; and up to \$3.3 million to UConn for GE-directed research in materials, manufacturing and advanced circuit breaker technologies. The sponsored research, geared toward advancing GE's circuit breaker product lines, will involve researchers from various academic disciplines and from the energy industry and will focus on arc-plasma containment, electrical materials, magnetic and mechanical systems and advanced manufacturing technologies.

A new Pratt & Whitney Additive Manufacturing Innovation Center opened at UConn's Depot Campus in Storrs. The Center features the latest in 3-D manufacturing equipment and rapid prototyping technologies and is home to two Arcam electron beam melting (EBM) A2X model machines for the manufacturing of large, complex metal parts at high temperatures. The

A2X models are the first to be introduced in North America and the two EBM machines are believed to be the first of their kind in the Northeast. The UConn center recently provided the first EBM on-site training for academic personnel and industry engineers in the United States. Pratt & Whitney engineers and UConn faculty and students will use the center's resources to develop advanced fabrication techniques for complex production parts that are in high demand in aerospace, biomedical science, and other industries. The University also is developing new degree concentrations and a new curriculum associated with additive manufacturing. Pratt & Whitney, a United Technologies Corp. company, invested more than \$4.5 million in the Additive Manufacturing Center and over the next five years will invest an additional \$3.5 million in the facility.

UConn communication sciences professor Leslie Snyder, director of the Center for Health Communication and Marketing, is conducting research to assess the potential impact of controversial new graphic warning labels for cigarette packages and to suggest directions for future national anti-tobacco campaigns. Her research is funded by a grant of nearly \$1 million from the National Cancer Institute. The new labels, which were to cover 50 percent of cigarette packs, are a requirement of the 2009 Family Smoking Prevention and Tobacco Control Act, which gave the U.S. Food and Drug Administration (FDA) authority to regulate tobacco products. Legal challenges by tobacco companies caused the FDA to withdraw the first proposed set of labels. In the future, it is likely that the FDA will propose a new set of labels – taking into account research by Snyder's team and others.

Snyder's Center is part of a larger, multidisciplinary Center for Health, Intervention, and Prevention (CHIP) with more than 125 affiliate investigators throughout the University's schools/colleges and campuses. CHIP researchers have launched major new health behavior change initiatives at the University of Connecticut, including new work in the areas of HIV prevention, medical adherence, diabetes management, cancer prevention, nutrition, pharmacology, substance abuse, obesity, autism, health information technology and other health domains. CHIP's international impacts include projects underway, or planned, in China, Ethiopia, India, Malaysia, Mozambique, New Zealand, Russia, South Africa, Thailand, Uganda, Ukraine and Vietnam.

UConn continued to be a leading university producer of faculty Fulbright Scholar grants. The Fulbright awards, sponsored by the U.S. Government to enhance cultural awareness and cooperation among American scientists and professionals and peers around the globe, illustrate the University's progress toward the internationalization goals of its Academic Plan. Three faculty members this year were chosen as Faculty Scholars to lecture and conduct research in their given field while spending time in foreign nations. The three recipients were: Carol Ann Auer, associate professor of Plant Science and Landscape Architecture, College of Agriculture and Natural Resources, lectures and research in Ecuador on the Critical Thinking about Plant Biology and Plant Genetic Resources; Leslie Levin, professor of Law, UConn Law School, lectures and research on law, and Mary Wayne Paczuh, associate professor of Chemistry, CLAS, research on Utilizing Glycosynthases to Synthesize Septanose-Containing Oligosaccharides. More than 170 UConn faculty members have received Fulbright awards since the government-sponsored program was established in 1946. Twenty Fulbright-funded international students were enrolled in Master's and Ph.D. programs or conducting dissertation research at UConn during 2012-13. UConn also hosted two visiting Fulbright Scholars at the Storrs campus this year: Pradosh Mishra, Banares Hindu University, was a Visiting Lecturer in the Art and Art History Science Department, hosted by Professor Kathryn Myers; and Frederic Njayou,

University of Yaounde I in Cameroon, was a Visiting Researcher in the School of Pharmacy, hosted by Professor José Manautou.

Two assistant professors of Chemical and Biomolecular Engineering in the School of Engineering were recognized with federal Early Career Awards. William Mustain received a U.S. Department of Energy (DOE) Office of Science Early Career Award, which is one of the most competitive in the United States, with only 65 awarded annually. The Early Career Research Program supports the research pursuits of exceptional young scientists. UConn will receive \$800,000 from DOE to carry out a five-year suite of research and educational activities. The award will bring new equipment to the university and fund two graduate and two undergraduate students over the life of the grant. Mustain's research focuses on the development of a new type of electrochemical device that converts methane, from natural gas or biogas, to liquid fuels, like methanol, at room temperature. This low temperature operation is a significant improvement over state-of-the-art methane-to-fuels processes that operate at very high temperatures, sometimes more than 900°C. Anson Ma was awarded the NSF Faculty Early Career Development (CAREER) award, the federal agency's most prestigious recognition of the career development of promising faculty-scholars who integrate research and education. Ma's research focuses on the use of carbon nanotubes to stabilize emulsions for prolonging the shelf life of widely used pharmaceutical, agricultural, and other chemical products. CAREER grants cover a five-year period and typically amount to more than \$400,000. Ma's recognition is the 26th CAREER award received by current UConn engineering faculty.

General Community and Public Service

UConn's Sandy Hook School Memorial Scholarship Fund, honoring those who died in the tragic December 2012 shooting in Newtown, received more than 5,400 donations and pledges totaling more than \$930,000. The scholarship fund will support the college costs for siblings of those killed in the assault, the dependents of the adults who also lost their lives, as well as students currently enrolled at the elementary school, who are accepted to the University. The fund was initiated with a lead gift of \$80,000 from UConn's Hall of Fame women's basketball coach Geno Auriemma and his wife, Kathy.

CT FANs in Motion, a collaborative effort between the Department of Extension in CANR and Natural Resources and the Department of Kinesiology in NEAG, has been funded through a \$2.5 million competitive grant from the National Institute of Food and Agriculture. The grant enhances an existing 4-H youth development program called Fitness and Nutrition Cubs (FANs) that is designed to help reduce obesity in 9 to 14 year-old children. Initially, the expanded program will take place in five schools where students meet health and income guidelines, including the Roger Sherman Elementary School in Meriden and selected schools in New Haven, Fairfield, and Windham counties. CT FANs in Motion boasts another feature that makes it appealing to its youthful audience - 'exergaming' with Wii and Xbox. While children get to play traditional games involving such things as balls and hula hoops, the computer-generated activities that get them up and moving include a wide array of sports, dance, and exercises they might not otherwise encounter.

A \$5 million federal grant will support an innovative new housing program for at-risk families to be developed by University researchers working with the state Department of Children and Families (DCF), The Connection Inc., a community development agency, and other state agencies. The grant from the federal Administration for Children and Families (ACF) will

enable the creation and implementation of the state's first Intensive Housing Support for Families program to provide stable housing to families at risk of chronic homelessness as well as interdisciplinary professional, vocational, mental health, and educational support to those families. The program is planned to reach between 500 and 780 at-risk families throughout the state by the end of five years. The \$5 million grant was one of five awarded by ACF this year, and the only one with impact across an entire state. The ACF initiative is the product of a novel partnership between the federal government and four private foundations: Robert Wood Johnson, Annie E. Casey and Casey Family Programs, and Edna McConnell Clark.

The Health Center is actively engaged in many initiatives to improve the lives of Connecticut citizens. This includes countless hours of volunteer work donated by students and faculty every year to provide hands-on care and medical and dental screenings at homeless shelters and clinics in underserved areas, including a migrant farm workers clinic and services at Hartford's South Park Inn Medical Clinic that was founded by UConn students. It also offers a range of free educational programs for the community designed to educate and increase public awareness of wellness and disease prevention.

Arts outreach programs at UConn offer a mix of educational, cultural, and performance activities, bringing a variety of sights and sounds to the residents of Connecticut communities. Demand for these programs has grown significantly. From fewer than 100 events in 1990-91, arts outreach now provides more than 300 activities a year in over 80 cities and towns throughout the state. The Community School of the Arts serves over 1,100 residents of Eastern Connecticut each year, providing non-credit instruction in music and visual arts to students ranging in age from 6 months to 90 years.

UConn's student participation in Office of Community Outreach initiatives increased 278 percent between 2003 and 2012, and the number of hours devoted to public service in those efforts went up 540 percent. In a typical recent academic year, UConn service initiatives engaged more than 17,500 student participants, including more than 8,000 who contributed over 20 hours per semester. UConn students contributed over 1.4 million hours of volunteered service last year in service and service-learning activities not only through the Office of Community Outreach, part of the Department of Student Activities in the Division of Student Affairs, but also through student organizations and academic departments throughout the University on all of its campuses. The diverse range of projects have included providing medical services to migrant farm workers; conducting leadership and literacy programs for students in low-income households; and offering legal services to clients seeking asylum from political, religious, or other forms of persecution. Student contributions may be in one-time community service day projects, ongoing local programs, and domestic and international travel initiatives through alternative breaks and study abroad programs. Community Outreach's mission is to enrich learning at the University through preparing students to be active global citizens by engaging them in service activities that enhance the quality of life for both others and themselves.

This year's Awards for Excellence in Public Engagement were announced by Provost Peter Nicholls during a special reception celebrating the variety of University outreach activities. The Faculty Awards recognized Devra Dang, associate clinical professor Pharmacy Practice, School of Pharmacy, and Charles Yarish, professor Ecology and Evolutionary Biology, CLAS. The Early Career Faculty Award was given to Thomas Deans, associate professor English and director University Writing Center, CLAS. The Professional Staff Award recognized Susan Coleman-Rosa, UConn Center for Public Health and Health Policy. Program Awards were given to: Student Support Services, Center for Academic Programs; Master Gardener Program,

College of Agriculture & Natural Resources; and Ballard Institute and Museum of Puppetry, School of Fine Arts. Student Award was given to undergraduate Courtney M. Beyers, School of Nursing, and graduate Ailton Santonio Coleman, Public Health and UConn Multicultural Scholar. Alumni Awards recognized Leonille M. Kadambaya and Zato Kadambaya, founders of Africaphilantropies, Inc. The recognitions underscore the critical role of outreach and public engagement in the University's land grant mission, and to foster engagement across the entire University community.

Supporting Economic Development

Next Generation Connecticut, the \$1.5 billion investment by the state of Connecticut in UConn's academic programs, infrastructure, and building and campus construction over the next ten years, signed into law in June by Governor Dannel P. Malloy, is a multi-faceted plan to build the state's economic future through strategic investments in science, technology, engineering, and math (STEM) disciplines at the University of Connecticut. It involves leveraging UConn's resources to fuel Connecticut's economy with new technologies, highly skilled graduates, new companies, patents, licenses, and research innovations leading to more high-wage STEM jobs in the state. The initiative is projected to bring in more than \$270 million in new research dollars over 10 years, spur well over half a billion dollars in business activity, and support more than 4,000 permanent jobs, plus 30,000 construction jobs. More than 100 corporations, trade and labor groups, local businesses, and other entities concerned with strengthening Connecticut's economic development and job creation efforts have endorsed this initiative.

In addition to laying the groundwork for Next Generation Connecticut, the University has budgeted funding for planning support for the new UConn Technology Park, to serve as an incubator for new business ventures and job growth, along with funding to strengthen UConn's liaison program to link entrepreneurs with access to UConn's wide variety of technology, resources, and expertise. The Master Plan for the Tech Park calls for the park to be built on a portion of the University known as North Campus, which is bounded by Route 44, Route 195, and North Eagleville Road. An initial facility of 125,000 square feet, the Innovation Partnership Building, is expected to be completed in 2015, and will feature research equipment, flexible-use laboratories, and business incubator space. The ultimate goal is to design about 900,000 square feet of building space divided into three "nodes" of several buildings each, connected by footpaths and by the extension of North Hillside Road to Route 44, which will create a new entrance to campus. The plan is to leave much of the area's existing green space intact, while designing a technology park that's in harmony with its environment. A feasibility analysis by a tech park consulting firm estimated that the park will create between 1,000 and 1,300 jobs in its first decade. About 8,000 companies are within two hours' drive from UConn that are doing the kind of work envisioned for the tech park, including additive manufacturing, nanotechnology, genomics, and digital innovation. The state has also provided start-up funding for the Park and for state bonds to construct the first building in the Park.

The Bioscience Connecticut Initiative and the planned Jackson Laboratory for Genomic Medicine are two multi-faceted plans for the expansion and renovation of the Health Center's clinical and research infrastructure and programming that will help reinvent Connecticut's economy by generating long term sustainable economic growth based on bioscience research, innovation, entrepreneurship and commercialization. (See the Health Care section of this report for fuller details.)

Thirty-four honorees were recognized for their outstanding achievements in research and innovative leadership during UConn's Second Annual Celebration of Innovation, hosted by UConn's Office of Economic Development. The honorees were UConn faculty, alumni, and UConn-related startup companies, as well as industry partners and state leaders. In the past year UConn researchers have developed 80 new inventions and filed 42 U.S. patents covering a diverse range of technologies including shape memory polymers, conductive polymers, transgenic plants, spider toxins, diagnostics and therapeutics for heart failure, cancer, infectious disease, obesity, and pain management, opto-electronics, and underwater communications. Commercializing university innovations is a growing resource for the University that has generated \$1.2 million in patent revenue alone in the past year. Office of Economic Development figures show that income from licenses and other options has topped \$1 million for seven of the last nine years, with the number of revenue-generating licenses created from university research growing from 12 in 1998 to 50 in 2012.

A re-launched and rebooted Connecticut Small Business Development Center (CTSBDC) has a five-year, \$11.6 million program to provide financial and technical assistance to businesses with 500 or fewer employees – which accounts for roughly 93 percent of Connecticut employers. The new state economic development initiative combines resources and funding from a U.S. Small Business Administration grant and a matching grant from the state's Department of Economic and Community Development, with additional financial and technical resources coming from the University of Connecticut and the Metro Chambers of Commerce. The CTSBDC in Connecticut was housed at Storrs until 2008, when it moved to Central Connecticut State University. Four years later, CCSU decided to focus on other initiatives and provided the state an opportunity to re-examine its approach to assisting small businesses in the state. UConn was tapped to re-invent the program, under the leadership of its Office of Economic Development, to meet the new challenges Connecticut businesses face. UConn is already involved in initiatives to boost small businesses across the state. Examples include the School of Business Family Business Program, the Connecticut Center for Entrepreneurship and Innovation, Innovation East, and the Technology Incubation Program, which has attracted small technology companies from other states and currently incubates up to 40 companies that are generating revenues of more than \$19 million this year alone.

The Office of Economic Development is comprised of six unique programs that collaboratively work to spur innovation and entrepreneurial activity in Connecticut: (1) Technology Exchange Portal, a U.S. Economic Development Administration funded program to provide an entry-point to UConn for industry; (2) Technology Partnerships and Licensing, to patent and license inventions from research done in biotechnology, materials, engineering and other fields of research conducted at UConn; (3) UConn Ventures, to create new business startups based on innovative technologies developed by UConn faculty and staff; (4) Technology Incubation Program, to accelerate the success and viability of entrepreneurial companies by leveraging university technologies and facilities, and to provide cost-effective business and research services; (5) INNOVATION East, part of the state of Connecticut Innovation Ecosystem, to provide a suite of programs to aid startup company formation and accelerate the growth of Stage 2 companies in our service area; and (6) CT Small Business Development Center, part of the U.S. Small Business Administration's Small Business Development Center program, to build, sustain, and promote small business development and enhance local economies by creating businesses and jobs.

A new stem cell company, ImStem Biotechnology Inc., is the latest research venture to join the University of Connecticut's Technology Incubation Program. ImStem will utilize and commercialize the technologies developed by Ren He Xu, director of the UConn Stem Cell Core, and his post-doctoral fellow Xiaofang Wang. Xu is one of the few scientists in the world who has generated new human embryonic stem cell lines. Named CT1 and CT2, the lines are a major success for the state's \$100 million stem cell program. The goal of the new company is to explore new approaches to utilizing these human embryonic stem cell lines for future clinical applications, such as developing a treatment for multiple sclerosis. ImStem will utilize lab space at the Health Center's Technology Incubation facility in Farmington, which is now home to eight companies. The UConn Stem Cell Core was established in 2006 and is currently funded by a Core Facility grant from the State of Connecticut Stem Cell Research Program.

The University contributes every day to Connecticut's economic vitality and to the quality of life of state residents through research, teaching, public service, and a broad range of programs and initiatives. For example, *The Connecticut Economy* is a quarterly journal published by the Department of Economics that offers data, forecasts, and substantive, data-driven analyses of current events, longer-term trends, and public policies affecting Connecticut's economy. Another example is the recent study of the significance of the state's maritime economy in *Valuing the Coast: Economic Impacts of Connecticut's Maritime Industry*. The lead author is Robert S. Pomeroy, Sea Grant College fisheries extension specialist and professor of Agricultural and Resource Economics in the College of Agriculture and Natural Resources.

UConn's graduating classes each year provide a new resource of skilled individuals for continuing and new businesses and industries in the state, and for service with distinction in schools, government agencies, and nonprofit organizations.

Expanding Educational Opportunity

After four years of changing the face of education in Hartford, the Renzulli Academy is expanding its nationally renowned model of gifted-and-talented schooling to three new districts in Connecticut. Starting this fall, students in Bridgeport, New London, and Windham will be able to attend schools for fourth-through-sixth graders modeled on the Hartford program, which has won plaudits for putting into practice the ideas of Board of Trustees Distinguished Professor emeritus in Educational Psychology Joseph Renzulli, and his wife, Vice Provost for Academic Affairs Sally Reis, who is also Board of Trustees Distinguished Professor in Educational Psychology. Renzulli and Reis are both faculty members in the Neag School of Education and leaders of the Neag Center for Gifted Education and Talented Development who have long championed the education of gifted students. The expansion of the Renzulli Academy model is assisted by a grant of \$500,000 from the Jack Kent Cooke Foundation that had last year provided \$250,000 to the Hartford Renzulli Academy for a six-week, full-day summer enrichment program in science, art and math for its students. The Jack Kent Cooke Foundation of Virginia is a private, independent organization that supports talented students from low-income areas through scholarships, grants and direct services.

Another NEAG collaboration with the state's public schools is the CT K-3 Literacy Initiative (CK3LI), which will support schools in implementing research-grounded practices to improve the reading abilities of children in kindergarten through third grade, a crucial time for developing strong literacy skills. The initiative, announced in August by Gov. Dannel P. Malloy as part of the State Education Reform to improve overall outcomes, was developed by the

General Assembly's Black and Puerto Rican Caucus. State funding of \$1.77 million will support new reading interventionist and literacy coach positions at five schools selected for demonstrated commitment to improving reading outcomes. The five schools are: Ann E. Norris Elementary School in East Hartford, Latino Studies Academy at Burns School in Hartford, John Barry Elementary School in Meriden, Truman Elementary School in New Haven, and Windham Center Elementary School in Windham. CK3LI-supported schools must provide students with uninterrupted reading instruction, access to evidence-based small group intervention strategies, and create literacy teams meeting regularly to examine student progress and plan and adjust instruction. Michael Coyne and George Sugai, Neag faculty members in Educational Psychology and researchers in the Neag Center for Behavioral Education and Research, are overseeing the statewide project which has a long-term goal of adding five schools per year.

Several other initiatives with public schools are administered by Neag School of Education. The CommPACT Schools model addresses the achievement gap issues in Connecticut's public schools through a collaborative team approach including community members, parents, administrators, children, and teachers. CommPACT schools include Barnum School, Bassick High School and Longfellow School in Bridgeport and Washington Elementary School and West Side Middle School in Waterbury. Additional projects assisting schools throughout the state include: Bilingual and ELL Teacher Professional Development, a U.S. Department of Education funded project involving ELL teachers from several school districts; Husky Sport programs in schools, after school and on weekends in Hartford's North End; PawPals program to combat childhood obesity in a Bridgeport elementary school; Mentoring Mathematical Minds Math Club, an after-school enrichment program funded by the Travelers Foundation in five Hartford elementary schools; and the School Organization and Science Achievement Project, an NSF funded five-year research study in urban school systems to identify ways to reduce science achievement gaps for 5th graders.

Other collaborations of the University with Connecticut's public schools for expanding the educational opportunities of all students and students from underrepresented groups are illustrated by the following partial list of examples:

- College of Agriculture and Natural Resources: 4-H LIFT (Learning, Interaction, Friends, and Talents) and other after-school programs; Adventures of Lead Busters club, focused on hazards of lead poisoning; Classroom Incubator Management instruction; Connecticut Integrated Pest Management (IPM) Program for Schools; and career development events for high school agricultural science students.
- College of Liberal Arts and Sciences: Kids Are Scientists Too (KAST) summer science program for students entering grades 5 through 10, including a new module called Amazing Biodiversity, and a recent expansion of the program to Kids are Scientists and Engineers Too (KASET) to represent more fully the new UConn Next Generation Connecticut initiative; Marine Scholars program; BioBlitz; Archaeology Field School for Kids; GlobalEd project, an interdisciplinary project led by faculty in the Department of Political Science (and in NEAG Department of Educational Psychology) to study the gender differences in the ways middle school and high school students interface with the world; Writing Center outreach to secondary schools; Department of Psychology Reading Internship Program in Stamford and Norwalk elementary schools with children at risk for reading disabilities; school research and mentoring projects of the Department of Human Development and Family Studies; and Math Leadership Academy Program for middle and high school teachers of mathematics.

- School of Business: Travelers EDGE (Empowering Dreams for Graduation and Employment) Program, established by The Travelers Companies Inc. in 2007 to support underrepresented and first-generation college students and to prepare them for careers in the insurance and financial services industry, with six EDGE scholars receiving their UConn bachelor's degrees this year and a total of 74 students (all but two graduating) participating since EDGE began; Teenage Minority Business Program, a long-standing career development program with a dozen Connecticut high schools; and Connecticut Information Technology Institute (CITI) support for the Academy of Information Technology and Engineering, a technology high school in Stamford.
- School of Engineering: Connecticut Invention Convention, celebrating its 25th anniversary and its 10th year at UConn with 550 students in grades K-8 showcasing their inventions in UConn's Gampel Pavilion; Northeast Regional Science Bowl; annual Da Vinci workshop for science, math and technology middle and high school teachers; Explore Engineering (also known as E²), a one-week residential summer program at Storrs for high school sophomores and juniors who learn engineering concepts and then create, through the evening Young Engineering Science Scholars (YESS) program, an engineering item (such as a rudimentary EKG device, Smart Lego vehicle that can follow a trail, fuel cell or other energy efficient device, wooden bridge, or environmentally friendly process); Pre-Engineering Program (PEP) for Saturday hands-on enrichment activities in STEM disciplines for 7th, 8th, and 9th grade students; Multiply Your Options (MYO) workshop for 8th grade female students to introduce them to science, mathematics, and engineering careers; Engineer Your Future (EYF) workshop, similar to MYO but intended for 8th grade minority male students; and BRIDGE residential summer program for admitted underrepresented minorities and women.
- School of Fine Arts: Community School for the Arts; Jorgensen Outreach for Youth (JOY) which, with the help of private contributors and corporate partners, offers free tickets to economically disadvantaged children of all ages, public school programs with transportation assistance, and in-school outreach and residency programs; University Symphony Orchestra rehearsal option for public school musicians; and music and drama productions and art exhibits in the schools.
- School of Nursing: "Run with LC" (Recruiting Underrepresented Nurses with Learning Communities) for middle school children in Hartford and the Nursing Academy in Hartford Public High School, both programs to assist in introducing the potential of a career in nursing and to enhance the pre-college skill sets of high school students for college success in nursing.
- School of Pharmacy: Science Fair judging and underrepresented minority student mentoring.
- School of Law: Connections Mentoring program and Street Law Seminars on legal issues with Hartford public high schools and students.
- School of Social Work: Safe Schools and Healthy Students Initiative to reduce and prevent school and urban violence in Hartford Public Schools; social work student internships in school settings; and certification program in school social work.
- Health Center's (Schools of Medicine and Dental Medicine) Health Career Opportunity Programs, designed to raise awareness and proficiency in science among Connecticut students from diverse backgrounds, provide them a mentoring and support system, and encourage them to pursue health professional careers. The specific programs include: Great Explorations (7th and 8th graders); Jumpstart (9th and 10th graders); Junior Doctors Academy (11th graders); Senior Doctors Academy (12th graders); High School Student

Research Apprentice Program (juniors and seniors); Pre-College Enrichment Program (incoming freshmen at UConn); College Enrichment Program (rising UConn sophomores); Health Disparities Clinical Summer Research Fellowship Program (college sophomores, juniors, seniors, or recent graduates); Medical/Dental Preparatory Program (college sophomores, juniors, seniors, or recent graduates); and Summer Research Fellowship Program (college students and recent grads).

- Center for Academic Programs: Educational Talent Search, a federally funded TRIO program that provides free college, career, and financial aid information to over 600 middle school and high school students each year; ConnCAP, an intensive, year-round academic program to assist students in grades 9-12 in the successful completion of high school and to prepare them for post-secondary education; Student Support Services to increase the enrollment, retention, and graduation of first-generation, low-income and/or underrepresented students at UConn; The McNair Scholars Program, a federally funded program to prepare talented, highly motivated UConn undergraduate students from low-income, first-generation or underrepresented populations for doctoral studies in STEM disciplines.
- Early College Experience (ECE) Program: approximately fifty UConn credit courses in over twenty disciplines are made available to 160 partner high schools in Connecticut. Courses are taught on the high school campus by high school instructors who have been certified as adjunct faculty members by UConn; more than 9,000 high school students annually register for ECE credit courses. UConn's ECE program, begun in 1955, is the oldest high school-to-college transition program in the nation.

Improvements /Achievements 2012-13

The University of Connecticut, its students, alumni, faculty, and staff take pride in the University's 132-year history of achievements. The quality of the UConn student population, and those seeking admission, continues to rise, as the accomplishments of our faculty, staff and students continue to impress.

The University has launched a comprehensive process to develop a new Academic Plan to achieve its aspiration to become a top flagship university recognized for excellence in breakthrough research, innovative education, and engaged collaborations with state, community, and industry partners. The plan, dubbed "Our Time: UConn's Path to Excellence," will identify specific goals and strategic initiatives as a basis for making informed decisions on hiring faculty and staff, organizing academics, investing in facilities, allocating space, and other actions. The University Academic Vision Committee will work closely with Provost Mun Y. Choi, expanding the scope of past plans by reflecting UConn's growing momentum and heightened expectations as it aspires to the ranks of the nation's top public research universities. The plan is being developed during a pivotal time for UConn with key investments planned through the Next Generation Connecticut project, which would revolutionize STEM research and workforce development at UConn; the ongoing faculty hiring program; the Bioscience Connecticut and Jackson Laboratory partnership; and the development of the UConn Technology Park and its partnerships with industry and researchers. UConn has a strong track record of creating ambitious Academic Plans and meeting or exceeding their goals in recent decades. It already has surpassed goals in the current Academic Plan for student selectivity, new academic program development, and inter-disciplinary research.

National Recognition

The University received national and global recognition from many sources for the quality of its programs and accomplishments. Following are a few examples of the recognition:

Academic Programs, Research and Scholarship

- UConn was ranked 21st among 173 national public universities in the nation by *U.S. News & World Report: America's Best Colleges* published in August 2012. For the fourteenth consecutive year, the University was named the top public university in New England.
- Governor Dannel P. Malloy in June signed Next Generation Connecticut into law (public Act 13-233) following overwhelming bipartisan support in the General Assembly, and clearing the way for the widely supported initiative to begin revitalizing the state's economy through unprecedented investments in STEM research and education at UConn. Next Generation Connecticut positions UConn to ascend the ranks of the world's elite research universities, as its intellectual capital is put to work energizing the state's innovation-based economy. The \$1.5 billion construction component is an investment in building new scientific laboratories, purchasing advanced equipment, constructing new classrooms, and adding housing. The state will also invest \$137 million in operating funds to hire hundreds of new faculty, and to expand the student body in STEM fields.
- The Neag School of Education was ranked 18th among all public doctoral education programs in the country (and in the specialties, 11th Special Education, 15th in Elementary Teacher Education, and 15th in Secondary Teacher Education). It was also named the top public graduate school of education in New England. The rankings were in the *U.S. News & World Report: America's Best Graduate Schools* published in Spring 2013.
- Many of the University's graduate and professional programs were highly rated by the latest *U.S. News & World Report: America's Best Graduate Schools*. Among public medical schools nationwide, UConn ranked 28th in Medical Schools-Research and 40th in Medical Schools-Primary Care. In the Liberal Arts and Sciences, UConn national public graduate program rankings included 31st in Psychology, 33rd in History, 34th in Sociology, 35th in English, 44th in Economics, and 46th in Political Science. Public graduate and professional program rankings nationwide in other disciplines included: 30th in Best Law Schools, 2nd Part-Time Law, 29th in Business MBA, 30th Part-Time MBA, 39th in Engineering (and 25th in Materials Engineering, 30th in Biomedical /Bioengineering, 32nd in Mechanical Engineering, 38th in Environmental/Environmental Health Engineering, 40th in Chemical Engineering, 40th in Electrical Engineering, 43rd in Computer Engineering and 46th in the Civil Engineering specialty). The *U.S. News* rankings are based on expert opinion about program quality and statistical indicators of quality of faculty, research, and students. *U.S. News* does not rank all programs or all specialties every year.
- *U.S. News and World Report*, in its rankings of best online graduate programs, ranked the School of Business 8th in M.S. Accounting (14th in Admissions Selectivity, 16th in Student Engagement, 28th in Faculty Credentials and Training, and 53rd in Student Services and Technology). The magazine evaluated business programs in four categories: admissions selectivity, student engagement and accreditation, faculty credentials and training, and

student services and technology. A total of 860 online master's programs were evaluated in the fields of business, education, nursing, engineering, and computer information technology.

- The University was ranked the best value public university in New England and ranked 25th nationally in best value in public higher education by the *Kiplinger's Personal Finance* magazine. The schools were chosen as "Best Value Colleges" for 2013, selected from a pool of more than 600 public four-year institutions, and ranked according to academic quality based on criteria covering academic quality, including admissions and retention rates, student-faculty ratios, and four-and six-year graduation rates, as well as on cost and financial aid.
- UConn Storrs Campus ranks 3rd among 58 public research universities nationally in average time to graduate (4.2 years) among students earning a bachelor's degree within six years.
- Meskill Law Library at the School of Law was recently named among the 50 most amazing university libraries in the world by *Best Masters Programs*, which described it as one of the most comprehensive law libraries in the U.S. and one of the most beautiful. Its collection includes 500,000 volumes and thousands of legal periodicals dating back to 1908. All aspects of the law are represented in the library's catalog with an especially large collection of insurance law volumes. The Library was named after Thomas J. Meskill, an esteemed UConn graduate who worked in all three branches of the government and served as the governor of Connecticut.
- UConn was among five 2013 Presidential Award winners in the U.S. President's Higher Education Community Service Honor Roll. The Presidential Award is the highest honor that a university can receive for its work in service-learning programs, civic engagement, and commitment to volunteerism. The Corporation for National and Community Service, an independent federal agency that coordinates the program, also named 690 colleges and universities this year to its honor roll. UConn had received a spot on that honor roll each time it has applied for consideration in past years, but this is its first year as a Presidential Award winner. The Honor Roll recognizes student service in all of its forms in higher education: volunteerism, academic service-learning experiences, and student internships at not-for-profit and public entities. UConn was recognized with one of the five top Presidential Awards for the strength and reach of its programs, growing participation among students, and the meaningful outcomes that those efforts have produced throughout the region and beyond.
- Sierra Club selected the University as one of the Top Ten "Cool Schools" for 2012 in recognition of UConn's commitment to sustainability, environmental initiatives, and excellence in sustainability-focused academics. UConn ranked 5th on the list of more than 2,000 eligible colleges and universities in the United States, up from 16th in 2011. UConn was singled out for advances in the recycling programs on campus. For example, since constructing and opening a state-of-the-art agricultural and landscaping waste composting facility in 2010, the University has added in-kitchen decomposers in its dining halls which effectively decompose food waste overnight. The compost-like material is then used as a soil amendment and as an experimental feedstock for an energy-producing bio-gasification unit on campus. Additionally, there are several reuse and donation programs in place, such as the sneaker recycling drive, which annually collects up to 5,000 pounds of shoes for reuse and recycling, and the Give and Go program, which collects about 12,000 pounds of furniture, appliances, toiletries, and more during spring move-out, for donation to several local charities.

- The University ranked first place and was recognized as one of the most eco-friendly campuses on Earth by the GreenMetric World University Sustainability Ranking by Universitas Indonesia (UI). UConn moved up to first place from third last year, and was followed by last year's greenest college, Nottingham University, United Kingdom, and University College Cork/National University of Ireland. The 2012 rankings were based on UI evaluation of institutional responses from 215 universities in 49 countries on six weighted categories including green statistics, energy and climate change, waste management, water usage, transportation, and education. The methodology and standards used by UI make it possible for universities in developing countries to see how they measure up against the world's best, while also providing a starting point for institutions that are less experienced in maintaining high environmental standards.
- This past year, UConn became the first college in the nation to include a Climate Adaptation Section in its Climate Action Plan. Along with the plan's more than 200 action items for reducing UConn's carbon footprint, the new Adaptation Section details how the University will strengthen its role as a resource to state and local governments and others in forecasting the impact of climate change and better preparing communities for managing climate risks, such as sea level rise and extreme weather patterns. The Climate Action Plan is a document created by the University in 2008 to guide the campus towards carbon neutrality. UConn is a member of the national network of American College and University Presidents' Climate Commitment to eliminate net greenhouse gas emissions and to promote research and education efforts to re-stabilize the earth's climate.
- UConn, including both the Health Center and Storrs-based programs, ranked 81st among all institutions and 53rd among public universities nationwide in research and development expenditures in FY11, as reported this year by the National Science Foundation.

Health Care

- The Pat and Jim Calhoun Cardiology Center at the Health Center received the Get With The Guidelines®–Heart Failure Gold Quality Achievement Award from the American Heart Association for the second year in a row. The recognition signifies that the Health Center has reached an aggressive goal of treating heart failure patients with 85 percent compliance for at least 24 months to core standard levels of care as outlined by the American Heart Association and American College of Cardiology.
- School of Nursing began providing on-site professional training for Connecticut's correctional facility nurses with the nation's first correctional nursing simulation van. The van and the UConn-led training sessions for the prison nurses are fully funded with a \$1.1 million grant from the U.S. Health Resources and Services Administration. The correctional nurses provide services at 16 facilities statewide through Correctional Managed Health Care, which provides all medical, mental health, pharmacy, and dental services for the approximately 18,700 people who are incarcerated or in halfway houses in Connecticut.
- Student Health Services in Storrs has achieved a prestigious accreditation that recognizes its procedures and standards of care as being among the nation's best. The Accreditation Association for Ambulatory Health Care (AAHC) recently notified UConn Student Health Services that it had won re-accreditation, a distinction that came after an independent, external process of evaluating all aspects of its practices. Only about 200 college health services nationwide receive accreditation from the association. UConn first won accreditation in 1985, and has retained the distinction since then.

Athletics

- The UConn women's basketball team won its eighth National Collegiate Athletic Association (NCAA) Championship 93-60 in New Orleans against Louisville with the largest winning margin in a women's national championship game. With this victory, Hall of Fame coach Geno Auriemma ties the championship record of former Tennessee coach Pat Summitt, whom he described as "the greatest women's basketball coach who has ever lived". The Huskies also won the 2013 Big East Women's Basketball Tournament Championship, its sixth straight Big East Tournament Title, making it their 19th Big East tournament championship win.
- The 2012 U.S. Olympic Women's Basketball Team, led by six former Huskies and coach Geno Auriemma, won its unprecedented fifth consecutive Olympic gold medal in London, defeating France 86-50. It was the first time the women's team was led by a professional coach and was similar to the men's team in that it included primarily NBA players. The U.S. team included former huskies Sue Bird '02 (CLAS) of the Seattle Storm, Swin Cash '02 (CLAS) of the Chicago Sky, Tina Charles '10 (CLAS) of the Connecticut Sun, Asjha Jones '02 (BUS) of the Connecticut Sun, Maya Moore '11 (CLAS) of the Minnesota Lynx, and Diana Taurasi '05 (CLAS) of the Phoenix Mercury. Auriemma has been involved with USA Basketball since 1993 when he served as head coach for the U.S. Olympic Festival West Team.
- Jen Rizzotti '96 (CLAS), former UConn women's basketball player, was inducted in 2013 into the Women's Basketball Hall of Fame. She joins two other members of UConn's first NCAA Women's Championship team in this Hall of Fame: Geno Auriemma, inducted in 2006 as a coach; and Rebecca Lobo '95 (CLAS), inducted in 2010 as a player. While at UConn, Rizzotti also had been recognized as a GTE/CoSIDA Academic All-American, a two-time Kodak All-American and NCAA Regional Most Outstanding Player, and as a senior won the 1996 Wade Trophy, Associated Press Player of the Year and Big East Player of the Year. She played women's basketball as a professional for eight years, where she was a two-time All-Star in American Basketball League and was a member of the 1999 WNBA champion Houston Comets. She is currently the head coach for the University of Hartford's women's basketball team.
- The UConn men's baseball team won the 2013 Big East Men's Baseball Tournament Championship, making it their third Big East tournament championship win, the first since 1994.
- The UConn men's track team won the 2013 Big East Men's Track Tournament Championship. The win by the Huskies also earned head coach Greg Roy and his coaching staff the Outdoor Men's Coaching Staff of the Year Award for the fourth time after winning the indoor title in the same year.
- When next fall's athletic season starts for the University of Connecticut's 700 student-athletes, it will mark not only the beginning of the 2013-2014 season, but also the debut of a new look for the uniforms worn by the coaches and players of the Huskies' 24 men's and women's teams. The two major changes will be the use of "UCONN" across the front of every uniform worn by each team, and a new look for the Jonathan Husky logo. Both changes are part of the new institutional branding and marketing program for the University in all signage, publications, advertising and marketing activities. The new Husky dog logo

was developed following a review of all athletic team logos and marks, which in recent years had moved away from a consistent look on team uniforms.

Fundraising for Charities and UConn

- The University of Connecticut Foundation in June reported FY13 preliminary estimates of \$58.8 million for new gifts and commitments of private support and \$438 million in total assets, including \$334 million of endowment assets. The UConn Law School Foundation manages an additional \$19 million of endowment assets. The fundraising efforts assist in further securing UConn's place as a national and international leader in higher education and providing support for critical areas in undergraduate and graduate education, research, diversity, and public engagement. In addition to growing the University's endowment, other campaign priorities include increasing the student scholarship and fellowship funds, establishing new endowed faculty positions, and enhancing programs responsive to the Academic Plan. Approximately 30,000 individual donors contribute to support the University each year.
- Nearly 1,200 attendees celebrated the Health Center's 4th Annual White Coat Gala. The event is the fourth consecutive year of growing attendance and support for this touchstone event of the state's only public academic medical center. Honored this year with the Neag Medal for Service to the Health Center were: Philip Austin, UConn president emeritus and professor who retired and returned as interim president, then served as interim vice president for health affairs; Richard Garibaldi, honored posthumously, remembered for his dedication to medicine and his patients during his 28-year career at the Health Center; and the Chase Family, credited with generously supporting research and patient care programs. The event grossed more than \$1.2 million to support Bioscience Connecticut, the state investment in the renovation and expansion for the Health Center. The 2013 Gala was sponsored by Richard and Jane Lublin, as well as more than two-dozen local and national friends of the Health Center.
- Jim Calhoun, UConn Men's Basketball Coach, led the seventh annual NBC Connecticut Jim Calhoun Cancer Challenge Ride and Walk to benefit the Carole and Ray Neag Comprehensive Cancer Center at the Health Center, as well as Coaches vs. Cancer, which is an American Cancer Society initiative. The event includes rides of 10, 25, 50 and 75 miles and a 5K walk. The Ride and Walk event has raised more than \$1 million to fight cancer.
- This year's HuskyTHON Dance Marathon raised more than \$343,000 for the Connecticut Children's Medical Center in Hartford and for the national Children's Miracle Network. HuskyTHON is an event in which students participate in fundraising efforts that culminate in an 18-hour dance marathon and is one of the University's largest student-run philanthropic events. In the past fourteen years, HuskyTHON has raised over \$1 million for these two organizations.
- In the 2012 Connecticut State Employees Campaign (CSEC) for Charitable Giving, the University raised more money, a total of \$192,219, for the overall state campaign than any other state agency. Storrs and Regional campuses contributed \$119,474, and the Health Center gave \$72,745. The annual campaign has raised millions of dollars during the past decade, including more than \$2 million from UConn and its Health Center alone, to support charities in the state that include local soup kitchens and homeless shelters, arts

organizations, environmental groups, international relief agencies, and funding for researchers seeking clues to dozens of intractable diseases.

Individual Achievement Examples

Many individuals in the University community contributed academic and scholarly achievements and services to the University, the state and beyond. A sampling of examples follows:

- Robert Arciero was named by U.S. News & World Report as one of the country's top sports medicine specialists and the only one to be recognized in Connecticut. He is chief of the Sports Medicine Division of the Department of Orthopaedic Surgery at the Health Center, director of the Orthopaedic Sports Medicine Fellowship program, and team physician for UConn's basketball, football, hockey and lacrosse teams.
- Robin Chazdon, professor of Ecology and Evolutionary Biology in CLAS, was one of 18 scientists from around the world summoned to a special committee on tropical forest ecology and climate change at the Royal Society and St. James's Palace in London. Prince Charles attended the presentation of the group's final memorandum. The committee, which also included government officials, leaders from civil society and the private sector, and members of Prince Charles' International Sustainability Unit, discussed the current state of science and politics surrounding tropical forest conservation.
- Jim Calhoun, who began coaching the UConn men's basketball team 26 years ago and built the team into a three-time NCAA champion and a perennial national power, announced his retirement. He led the Huskies to 18 NCAA tournaments, winning the national title in 1999, 2004, and 2011. He was succeeded as head coach by Kevin Ollie, former assistant coach to Calhoun, former Husky student-athlete, and 13-year NBA veteran.
- Anthony DeMaria was the recipient of the 2013 Distinguished Service Award of Connecticut Academy of Science and Engineering (CASE). He has served as a professor-in-residence of Electrical and Computer Engineering department in the School of Engineering since 2003. DeMaria founded and served as chairman and CEO of DEOS, a Bloomfield-based leading manufacturer of sealed-off, RF excited waveguide CO₂ lasers for industrial and governmental applications, which was purchased in 2001 by Coherent Inc. He remained chief scientist at the company until his retirement in 2012. He is an elected member of the National Academy of Engineering (1976) and the National Academy of Science (1997) for his pioneering development of picosecond laser pulse physics, and has been recognized with many other state and federal awards of achievement.
- Francoise Dussart, professor of Anthropology in CLAS, was named the Faculty Mentor of the Year by the Institute on Teaching and Mentoring, a nonprofit educational organization funded by NSF, NIH, and the Gates Foundation. The Institute honors a faculty member that focuses on minority graduate education and faculty diversity. Dussart, a core faculty member in the Center for Women's, Gender, and Sexuality Studies, studies social anthropology, including expressions of gender and Australian Aboriginal society and culture.
- Clare Costley King'oo, associate professor of English in CLAS, earned the 2012 Book of the Year award from the Conference on Christianity and Literature. The book, *Miserere Mei: The Penitential Psalms in Late Medieval and Early Modern England* (University of Notre Dame Press, ReFormations series, 2012), was selected as the work that "contributed most to the dialogue between literature and the Christian faith" during the past year.

- Wendy Martinsen was named a Connecticut Hospital Association 2013 Healthcare Hero. She is a registered nurse and quality assurance specialist at the Health Center. Colleagues recognize Martinsen as the driving force behind the Health Center's initiative to help heart failure patients make the transition back home. The initiative included "The Dream Team," a group of community service providers meeting monthly to discuss care for heart failure patients. Two years later, the Dream Team has grown to nearly 50 community members and has received national recognition. The Health Center has shown significant improvement in heart failure readmission rates, which are now below the state and national averages.
- Troy Messick, graduate student in Linguistics, CLAS, been selected as the 2013 Bloch Fellow of the Linguistic Society of America. The award is the most prestigious honor the national society gives to graduate students. Messick studies syntax, or how sentences are constructed across languages.
- Cathy Schlund-Vials, associate professor of English and director of the Asian American Studies Institute in CLAS, was honored with the annual Early Career Award from the national Association for Asian American Studies. She recently published her second book, *War, Genocide and Justice: Cambodian American Memory Work* (University of Minnesota Press, 2012), which considers the legacy of the day-to-day lives of millions of Cambodians who were oppressed and killed by their government in the early 1970s.
- Charles M. Super was recently elected to the U.S. National Committee for Psychology, an organization supported by the National Academy of Sciences. He is professor of Human Development and Family Studies in the College of Liberal Arts and Sciences and professor of pediatrics at the Health Center. The committee of 12 represents the United States' psychological science community with the International Union of Psychological Science, a worldwide organization involving 82 nations and charged with the development, representation, and advancement of psychology as a basic and applied science. Until recently, psychology as a social science had been studied from the American perspective.
- Daniel Weiner was appointed the University's chief academic officer for international affairs. In his role as vice provost for global affairs, he will focus on UConn's commitment to internationalization and the development of a wide variety of university initiatives relating to international efforts. Global Affairs programs and services include: Communications and Global Partnerships, Global Training and Development, Immigration Services, International Center, Study Abroad, and the University of Connecticut American English language Institute (UCAELI).
- Jim Wohl joined UConn as its new University Ombuds, coming to Storrs from his previous position as University Ombudsperson and professor of veterinary medicine at Auburn University. UConn President Susan Herbst revived the Ombuds Office that was previously in place from 1970 to 1991. The University has also updated the office's charter. An ombuds office helps workers find strategies and solutions to workplace difficulties, improving their on-the-job experiences and the efficiency and operations of the institution as a whole.
- Ten Health Center nurses received the 2013 Nightingale Nurse Awards for Excellence in Nursing. They were nominated by their peers in recognition of their significant impact on patient care, their life-long commitment to the profession, their representation of the highest caliber of caregivers, and their reflection of the achievements of the entire nursing staff. The award recipients were: Patricia Ardolino, Diagnostic Imaging and Therapeutics; Irene Bent, Dermatology; Jason Cruz, Garner Correctional Institution; Matthew Dobos, Hartford Correctional Center; Heidi Greene, MacDougall-Walker Correctional Institution; David

Kibe, Function Unit 10; Dawn McCarthy, Adult Intensive Care Unit; Robin Menasian, Oncology; and Andrea Moran, Neag Comprehensive Cancer Center.

- Three School of Engineering faculty members were inducted in 2013 into the Connecticut Academy of Science and Engineering (CASE): Thomas Barber, professor-in-residence of Mechanical Engineering; Wilson Chiu, professor of Mechanical Engineering; and Mei Wei, professor of Materials Science and Engineering. Three College of Liberal Arts and Sciences faculty and two Health Center faculty members also were inducted into CASE: Robin Cote, professor of Physics, Nalini Ravishanker, professor of Statistics, J. Evan Ward, professor of Marine Sciences, Frank M. Torti, executive vice president for Health Affairs and dean of the School of Medicine; and Suzy Torti, professor in the School of Medicine. CASE membership is limited to 400 scientists and engineers from Connecticut's academic, industrial and industrial communities. Election to the Academy is on the basis of scientific and engineering distinction achieved through significant contributions in theory or applications, the pioneering of new and developing fields and innovative products, outstanding leadership of nationally recognized technical teams, and external professional awards in recognition of scientific and engineering excellence.
- The recipients of the Humanities Institute's fellowship awards for 2012-13 included the following UConn CLAS faculty – Mary K. Bercaw Edwards, associate professor of English and Maritime Studies; Mary Burke, associate professor of English; Christopher Clark, professor of History; Gregory M. Colon Semenza, associate professor of English; and Sebastian Wogenstein, associate professor of Literatures, Cultures, and Languages – and one School of Fine Arts faculty member, Adrienne Macki Braconi, assistant professor of Dramatic Arts. Fellowships also were awarded to several UConn doctoral candidates and to two visiting scholars from foreign universities. Humanities fellows spend two semesters engaged in research and writing, and in sharing their projects with their colleagues in the Institute and the larger UConn scholarly community.

Academic Programs

Next Generation Connecticut legislation recently signed into law by Governor Malloy involves a \$1.5 billion investment over the next decade in UConn and its research, innovation, and job-creation, through science, technology, engineering, and math (STEM) disciplines. Planned academic program and related infrastructure and facilities impacts include the following:

- Increasing total enrollment by 6,580, or about 30 percent. Of those, almost 3,300 will be STEM students, including 70 percent more engineering students;
- Hiring 259 new faculty members, including 200 who will be dedicated specifically to STEM programs;
- Establishing 50 STEM doctoral fellowships and creating the nation's premier STEM honors program, including a residential learning community;
- Revolutionizing STEM infrastructure at the Storrs campus by building facilities to house materials science, physics, biology, engineering, cognitive science, genomics studies, labs, and related disciplines;
- Expanding the curriculum at UConn Stamford with a strong focus on fast-growing digital media and business fields, and establishing student housing;

- Relocating the Greater Hartford campus from its aging West Hartford location to a vibrant downtown site to improve accessibility, strengthen collaboration with regional businesses, and promote internships to help students launch careers;
- Investing \$15 million at the Avery Point campus to modernize classroom and lab buildings and transform the dock area and waterfront operations to advance the research mission, educational activities, and public outreach efforts.

In addition to laying the groundwork for Next Generation Connecticut, the University has also budgeted funding for two related initiatives. The University is in the midst of a four-year initiative to hire approximately 290 net new tenure-track faculty members to generate more research that has national and international impact, increase research productivity, build graduate programs, provide high-quality teaching and service to undergraduate students, and expand course availability. Funding for this initiative comes from the four-year tuition plan that the Board of Trustees approved in December 2011. The University also has a financial aid initiative to match increases in tuition with increases in the amount devoted to financial aid to its neediest students. About 40 cents of every dollar collected in tuition is allocated to financial aid, with the best packages provided to in-state, low-income students.

In Fall 2012, 30,256 students were enrolled in degree credit programs in: College of Agriculture and Natural Resources, College of Liberal Arts and Sciences, and the Schools of Business, Neag Education, Engineering, Fine Arts, Graduate, Nursing, Pharmacy, and Ratcliffe Hicks at the Storrs campus, the five regional campuses (Avery Point, Greater Hartford, Stamford, Torrington, Waterbury), the School of Law and Graduate Business Learning Center in Hartford; the School of Social Work in West Hartford; and the Schools of Medicine and Dental Medicine and graduate programs at the Health Center in Farmington.

The number of freshmen applying to UConn has risen dramatically, from 10,809 for fall 1995 to 31,363 for fall 2012. The increased interest has been attributed to the physical transformation of the University through the state-supported UCONN 2000 and its continuation into 21st Century UConn, the quality and efforts of the University's academic departments and faculty, the success of Husky athletic teams, and the perceived value of a top quality education at a reasonable cost.

Over 4,400 new freshmen and 1,100 new transfers joined the UConn community in fall 2012. At all of UConn's campuses, nearly three-fourths of the new freshmen were Connecticut residents, and 30 percent were from minority groups. The average combined reading and math SAT score for Storrs enrolled freshmen has increased over 100 points since 1997, to 1226 for the fall 2012 entering class. The fall 2012 entering freshman class included 126 valedictorians and salutatorians, bringing the total since 1995 to 1,538 at all campuses.

At the Health Center, the fall 2012 incoming class included 40 new dental students and 89 new medical students (3 percent of the applicants to the Schools of Dental Medicine and Medicine). Over 34% of the dental and medical students were from minority groups.

Over 7,600 degrees were conferred in FY 2012-13 for completions of undergraduate, graduate, and professional programs at the Storrs, regional and Health Center campuses. The degrees awarded included: 5,122 bachelors, 1,527 masters, 340 doctoral, 56 education sixth-year, and 26 agricultural associates. The graduate professional programs awarded 74 medicine (M.D.), 34 dental medicine (D.M.D.), 94 doctor of pharmacy (Pharm.D.), 208 law (J.D. and LL.M.) degrees and 140 post-baccalaureate professional certificates. Since its founding in 1881, the University has conferred 272,050 degrees and credit program certificates. More than 121,000 alumni live in Connecticut.

The University's six-year graduation rate for the Fall 2006 entering freshmen class at the Storrs campus was 82 percent for all freshmen and 77 percent for minority freshmen. The latest Storrs four-year graduation rate for all freshmen was 67%, which places UConn among the top public research universities in the country. Approximately two-thirds of bachelor's degree recipients at the University who are employed full-time are working in Connecticut. About 35 percent of School of Medicine graduates are currently practicing in Connecticut, and close to 50 percent of School of Dental Medicine graduates are taking care of patients in our state.

The May Commencement involved 12 separate graduation ceremonies in the award of the over 7,600 degrees and eight honorary degrees. The undergraduate ceremonies included the following speakers, including five alumni: Jerry Adler, acclaimed actor and award-winning theatrical director; Robert Bepko, Jr., '77 PHARM, director of professional services, Norwalk Hospital; Lauren DiGrazia, '03 BGS, UConn registrar; Barbara Jacobs, director of clinical ethics consultation service, Hartford Hospital; Wally Lamb, '72 CLAS, '77 MA, author and former UConn associate professor of English; Denise Merrill, Connecticut Secretary of the State and former State Representative for the 54th District (Mansfield); Elizabeth Shanahan, executive director and CEO for the Society of Women Engineers; Frank Torti, UConn executive vice president of health affairs and dean of the School of Medicine; Daniel Toscano, '97 BU, managing director and head of Global Leveraged and Acquisition Finance, Morgan Stanley; and Charles Zwick, '50 CANR, '51 MS, former director of the federal Office of Management and Budget in the Lyndon Johnson administration. Speakers for the graduate and professional ceremonies included: Gary Bailey, professor at Simmons College and an internationally recognized educator in social work and human rights; Kerry Blanchard, '94 Ph.D., vice president of nonclinical drug safety, U.S. Boehringer Ingelheim Pharmaceuticals; Jeffrey Immelt, chairman and chief executive officer of General Electric Corporation; Neal Kumar Katyal, the Paul and Patricia Saunders Professor of Law at Georgetown University and former Acting U.S. Solicitor General; Eight honorary degrees were conferred by the University: Doctor of Science – Ferid Murad, 1998 Nobel Prize-winner in Physiology of Medicine, and Elizabeth Shanahan; Doctor of Fine Arts – Jerry Adler; Doctor of Letters – Wally Lamb; and Doctor of Humane Letters – Gary Bailey, Lyudmila Harutyunyan, known as the “mother of Armenian social work” and former member of the Congress of the People's Deputies in the Soviet Union, Jeffrey Immelt, and Charles Zwick.

The College of Agriculture and Natural Resources celebrated the 150th anniversary of the Morrill Act with a symposium explaining the importance of this landmark legislation, followed by a gala “farm-to-table” event. The legislation, which offered states 30,000 acres of land per U.S. congressman to help endow “a college in every State upon a sure and perpetual foundation, accessible to all, but especially to the sons of toil” was proposed by Vermont Senator Justin Smith Morrill and signed into law by President Abraham Lincoln in July 1862. Connecticut was the third state to accept the terms of the grant, which encouraged establishment of agricultural and mechanical [engineering] colleges and fostered the ideas of education, research, and outreach that are the bedrock of the land-grant university system.

UConn eCampus was initiated to provide a gateway for online undergraduate and graduate courses, post baccalaureate certificates, graduate certificates, and graduate programs at the University. All eCampus courses, designed and taught by UConn faculty, provide extensive opportunities for interaction among students and between students and faculty in a variety of ways including e-mail, phone, skype, virtual and face-to-face office hours, discussion boards and chat rooms. Over 100 online courses are offered, and all were designed to meet the standards

and guidelines of Quality Matters™ and the Sloan-C Quality Scorecard for the Administration of Online Education Programs. Online programs currently available include: the graduate degree programs of MS in Accounting, MA in Survey Research, MPS in Human Resource Management, and Sixth Year Certificate in Three Summers in Education; a graduate certificate program in Survey Research; and a post-baccalaureate certificate program in Occupational Safety and Health.

UConn joined a global partnership of universities, research entities, and other organizations to offer UConn employees and students access to secure, free Internet service at thousands of institutions worldwide. The access eliminates the need for users to get guest credentials from the institution they are visiting, and avoids data roaming charges. Access is available through iPhones and iPods in addition to standard laptops, tablets, and other appropriately configured computers. The “eduroam” service (an abbreviation for “education roaming”) is expected to be beneficial for UConn students in study abroad programs, educators traveling for research trips or conferences, and others who need quick access to a secure Internet hotspot around the globe.

UConn offers a wide range of programs to support students as they work their way toward graduation: First Year Experience programs that bring small groups of students together early in their academic career to learn critical thinking, writing and other college skills; learning communities where students studying the same or a similar discipline can develop as a group; undergraduate research programs that enable students early in their college careers to learn by doing, as they work in faculty labs; and a red flag system that alerts academic and faculty advisors when a student is at risk of failure. Also instituted several years ago was the Finish in Four initiative, a program emphasizing the need to improve academic advising to students, including enrolling in 15 credits each semester and taking classes in the correct order for the major.

Many academic programs, endowed professorships and scholarship funds are developed and expanded through gifts and endowments. Some recent examples include:

- Judith A. '73 '78 and David C. Kelly played key leadership roles as UConn department heads for the very different fields of, respectively, Molecular and Cell Biology and Art and Art History. Now retired, the couple continues to lead through a \$1 million planned gift to support a scholarship fund for recruiting and retaining promising undergraduate and graduate students in the College of Liberal Arts and Sciences. Both David and Judy received outside help for their own educations: David's degree at Cooper Union was totally scholarship-supported, and Judy received fellowship and grant support while at UConn, including a NATO Fellowship, a Fulbright Scholarship, and an NIH-funded Senior Fellowship at Oxford University.
- The Puppet Arts Program received a gift of \$100,000 from Jane Hensen to establish a scholarship fund for students majoring in puppet arts. Mrs. Henson, a puppeteer and the widow and original collaborator of Muppets creator Jim Henson, made the donation shortly before her death in 2013. UConn is one of only two universities in the country offering a bachelor's degree of fine arts in puppet arts and the only one offering a master's degree in this discipline. UConn currently has 24 graduate and undergraduate students in Puppet Arts and its program. Puppetry majors are encouraged to mount their own productions, which are presented at UConn and toured to schools, museums and theatres. Puppetry classes were first taught in 1964 by professor and renowned puppeteer Frank W. Ballard. Nearly 500 student puppet productions have been presented since then, and graduates of the program currently perform and design for many theatres around the world.

- A scholarship fund to provide financial support for international students accepted to UConn and for American students at UConn who study in Asia was established by David Jou '89 CLAS, '92 Ph.D. BU, and his family, including his wife Frances '90 MS CLAS and his son '11 CLAS. The Jou Family Scholarship fund with a five-year pledge of \$25,000 annually will also help students with their travel costs in bridging the distance between UConn and Asia. After receiving his degrees from UConn, Jou returned to Taiwan where he taught at National Taiwan University, served as chairman of the Taiwan Insurance Institute and as a CEO for a major life insurance company in Taiwan. He is currently CFO of Taikang Life, one of China's largest life insurance companies.
- The Department of Statistics received a gift of nearly \$400,000 from Elizabeth Macfarlane '39 CLAS. She was one of only two female math majors in her graduating class, and the Statistics Department did not exist when she was a student at UConn. Macfarlane had a long career in biostatistics at public health departments in Michigan, Ohio, and North Carolina and retired as director of operational research for the National Society to Prevent Blindness. She died last year at age 93, leaving the gift fund to help support graduate students, particularly those who share her lifelong interest in public health and biostatistics.

Two faculty members recognized for exceptional distinction in scholarship, teaching, and service were named the 2013 Board of Trustees Distinguished Professors. Mark A. Boyer, department head and professor of Political Science in the College of Liberal Arts & Sciences, was recognized for his research specialty areas including public goods theory, negotiation and bargaining, and the politics of the environment – specifically climate change. Boyer is also a scholar-in-residence at UConn's Center for Environmental Science, an affiliated faculty member with the School of Engineering's Environmental Engineering Program, and director of the Environmental Studies major. He serves as co-director of the interdisciplinary GlobalEd Project which conducts Internet-based international studies simulations for secondary school students, and has received more than \$5 million in peer-reviewed grant support in the past 15 years. Linda S. Pescatello '77 CLAS, '81 MA and '86 PhD (Exercise Science) and professor of Kinesiology in NEAG, was recognized as an internationally recognized leading scholar on blood pressure response to exercise among people with hypertension. Pescatello, a lifelong athlete, also is studying the influence of exercise on cancer survivors and the use of yoga to help manage stress and reduce substance use among college veterans and among methadone users. Pescatello holds joint appointments in several Storrs-based departments (Allied Health Sciences, Nutritional Sciences, Physiology and Neurobiology), in Community Medicine and Health Care at the Health Center, and in the Centers for Public Health and Health Policy and for Health, Intervention and Prevention. She has published more than 125 scientific papers and reviews and has received numerous grants from NIH, American Heart Association, and Pratt & Whitney for research on exercise and hypertension.

The Honors Program Distinguished Alumni Award Winners for 2013 were Anthony E. Chiodo and Chad A. Landmon. Anthony E. Chiodo '80 CLAS Honors '84 MD, is a national expert in spinal injury and recovery, a researcher and medical director, and a professor of physical medicine and rehabilitation at the University of Michigan Hospitals and Health Centers. Chad A. Landmon '96 CLAS Honors '99 JD, is recognized as a leading advocate for pharmaceutical companies before FDA and premier patent litigator and counselor on issues involving the development and marketing of generic drugs and human tissue. Landmon is Co-Chair of Axinn, Veltrop & Harkrider LLP's Intellectual Property Practice and Chair of the FDA Practice Group. The Honors Program at UConn has a long history that began nearly 51 years ago

and currently includes over 1,800 students spanning all of its undergraduate schools and colleges. Several other enrichment programs also are available to the University's undergraduates: Individualized and Interdisciplinary Studies Program; Office of National Scholarships; Office of Undergraduate Research; the Pre-Medical Dental Center; and the Pre-Law Center.

Seven faculty members were recognized by the UConn Chapter of American Association of University Professors (AAUP) in excellence awards for 2013: for research excellence – Ming-Hui Chen, professor of Statistics, CLAS; for teaching promise – Thomas J. Van Hoof, associate professor, School of Nursing; for teaching mentorship – William F. Bailey, professor of Chemistry, CLAS; for teaching innovation – Xinnian Chen, assistant professor in residence of Physiology & Neurobiology, and Amit A. Savkar, assistant professor in residence, Mathematics, both in CLAS; and for research promise – Louis Hanzlik, assistant Professor in Music, School of Fine Arts, and Andrew Pask, associate professor in Molecular & Cell Biology, CLAS.

The Alumni Association winners of its 2013 Alumni and Faculty Awards to recognize alumni and faculty who have made extraordinary contributions to society and the university include: Distinguished Professor Award – Kathleen Segerson, Philip E. Austin Professor of Economics, and Samuel F. Pickering, Jr., professor of English, both in CLAS; Faculty Excellence in Research and Creativity (Sciences) – Bernard Goffinet, professor of Ecology & Evolutionary Biology, CLAS; Faculty Excellence in Teaching at the Undergraduate Level – Isaac M. (Morty) Ortega, associate professor of Natural Resources and the Environment, CANR; Alumni Association Service Award – Herman R. Weingart, Jr. '56, CANR; Distinguished Alumni Award - Scott S. Cowen '68, '10H BU, President of Tulane University; and Richard V. Piacentini, '85 CLAS, executive director of Phipps Conservatory and Botanical Gardens; Graduate of the Last Decade (G.O.L.D.) Award – Natalie Hudson, '02, '07 CLAS, director of human rights studies and associate professor of political science at University of Dayton; Honorary Alumni Award – Michael P. Starkowski, former commissioner of the state Department of Social Services; Humanitarian Award – Kathleen K. Reardon, '71 Neag ED, professor of management and organization at University of Southern California Marshall School of Business; and the University Service Award – Myles Martel '65 CLAS, president, founder, and chief executive officer of Martel & Associates.

Institute for Teaching and Learning teaching award winners for this year were: Teaching Fellows Douglas Kaufman, associate professor Curriculum and Instruction, and Catherine Little, associate professor Educational Psychology, and Teaching Scholar Rene Roselle, assistant clinical professor Educational Psychology, all three in Neag School of Education; Outstanding Graduate Teaching – Jennifer Bisson, Psychology, CLAS and Kirstin Lawrence-Apfel, Natural Resources and the Environment, CANR. Many other teaching awards, including those in various academic disciplines, were acknowledged throughout the year.

UConn's Office of Audit, Compliance and Ethics (OACE) annually submits required reports to the U.S. Environmental Protection Agency. In compliance with the John Dempsey Hospital's Certification of Compliance Agreement, the Health Center compliance office annually submits a Certification of Compliance Agreement report to the Office of the Inspector General of the U.S. Department of Health and Human Services. OACE also holds annual required compliance training sessions for all University employees to educate them on the Code of Conduct and the University Guide to the State Code of Ethics. Separate sessions are offered to new employees, to staff members for recent updates to last year's training, and to faculty covering all the elements of the staff updates as well as an overview of the AAUP Consulting Policy.

Facilities Development

The Bioscience Connecticut Initiative, a multi-faceted, multi-year state-supported plan of \$864 million to revitalize the Health Center and spur Connecticut's economy, has several construction components for the Health Center campus: renovating and modernizing, for the first time in its history, the Health Center's original research facilities on the Farmington campus, to include expanding space for start-up bioscience businesses; renovating the John Dempsey Hospital; constructing a new patient care tower to include 11 floors, 169 private rooms, a new and expanded emergency department, new surgery suite, and a new inpatient rehab center; and constructing, with private financing from TIAA-CREF, a new 300,000 square-foot ambulatory care center on the lower campus to house primary care services, the Center on Aging, the Carole and Ray Neag Comprehensive Cancer Center, a range of specialty services, and a connected parking garage. The Jackson Laboratory for Genomic Medicine also will be constructed on the Health Center's lower campus. The planned 189,000 square-foot facility is the result of a partnership between the state, UConn, and The Jackson Laboratory, an independent, nonprofit biomedical research institution and National Cancer Institute-designated Cancer Center based in Bar Harbor, Maine. (For fuller description of these two programs, see the Health Care section of this report.)

The first building to be constructed in the planned University Technology Park will be the Innovation Partnership Building, a 125,000 square foot facility which will incorporate clean and efficient energy sources, including smart grid, micro grid, battery storage, and other green sector technologies, that could well become cornerstones of the Tech Park. This building is being funded by an allocation of \$170 million in state bonds, an effort championed and led by Senate President Donald Williams (D-Brooklyn) and Representative Gregg Haddad (D-Mansfield), with the support of Governor Dannel P. Malloy. (For a summary of the Tech Park's Master Plan, see the Economic Development section of this report.)

Two Storrs Campus buildings were renamed in honor of former UConn leaders. The John W. Rowe Center for Undergraduate Education, the former undergraduate education building, honors Dr. John W. Rowe who served as Board of Trustees chairman from 2003 through 2009. During that time, he oversaw the expansion of the University's physical plant, helped negotiate notable growth in enrollment, and was instrumental in increasing UConn's national academic ranking. Rowe and his wife Valerie also had established the John and Valerie Rowe Health Professions Scholars program to assist students from backgrounds that are underrepresented in various healthcare fields. The Rowe Center provides a centralized place for academic support for students, as well as instructional support for faculty members and graduate students. Among the many service offices located here are the First Year Experience program, Career Services, Study Abroad program, Office of Global Affairs, Center for Community Outreach, Honors Program, Center for Academic Programs, and Center for Excellence in Teaching and Learning. The Philip E. Austin Building, formerly known as the CLAS Building, honors the leadership of former UConn President Philip Austin, who served as President from October 1996 to September 2007, during which time the University experienced a campus-wide physical transformation and strengthened its reputation for academic excellence. Austin oversaw the \$1 billion UCONN 2000 renovation program and led the start of the \$1.3 billion 21st Century UConn program that followed. Following his tenure as President, Austin served on the University faculty, as interim president from May 2010 to June 2011, and later as interim vice president for health affairs at the

Health Center. He also has participated in accreditation activities of the New England Association of Schools and Colleges and the National Collegiate Athletic Association on behalf of the University.

Oak Hall, new home to the Humanities and Social Sciences disciplines of the College of Liberal Arts and Sciences, was completed in time for students returning in the fall to attend classes offered by the Departments of Economics, Journalism, Languages, Cultures and Literatures, Linguistics, and Political Science. The 130,000 square-foot building, located adjacent to Babbidge Library on the Old Co-op Bookstore site, houses faculty offices, meeting space and classrooms, including a 200-seat auditorium. It is outfitted with high-tech audiovisual capability, including large projection screens and wireless-equipped computers in every classroom and also boasts such sustainable energy features as efficient fixtures that will reduce water consumption, energy-efficient lighting, high-performance insulation and abundant natural light. Oak Hall was constructed under the 21st Century UConn/UCONN 2000 Program.

Renovations of and additions to several buildings on several campuses as well as general road and facilities improvements continued in FY 2013 under the 21st Century UConn/UCONN 2000 Program. A partial list of examples includes: Avery Point Campus Student Center with renovations and additions to the student center and auditorium; Bousfield Psychology Building expansion; Young Building renovations and addition, Bishop Building renovations to support the Art Department print shop, and Arjona & Monteith renovations.

Groundbreaking ceremonies were held in April for a dedicated new practice facility for UConn's championship men's and women's basketball programs on the facility's site– the former Memorial Stadium adjacent to Gampel Pavilion. The UConn Basketball Development Center will be a 78,000 square-foot facility featuring practice gyms for the men's and women's basketball programs, along with locker rooms, coaches' offices, and areas for academic support, video analysis, sports medicine, and strength training. The facility will allow basketball student-athletes to practice, train, study, and dine in one location. It is the first building project at UConn that will be funded entirely through private donations. Kevin Ollie '95 CLAS, head men's basketball coach, and his wife, Stephanie, pledged \$100,000 towards the Center's construction. Momentum for the project was boosted by a gift from Peter and Pamela Werth in the amount of \$4.5 million, the largest single contribution to the Division of Athletics. The UConn Foundation has received \$28 million in donations and pledges for the new facility, which is estimated to cost about \$35 million.

A new water reclamation facility has enabled UConn to conserve hundreds of thousands of gallons of drinking water every day, to make use of large quantities of treated waste water to help run the Storrs power plant, which previously used potable water, and to better manage water demand on campus. The \$25 million facility can process up to 1 million gallons of water daily and is the first of its kind in Connecticut. It currently processes about 230,000 gallons of treated wastewater on an average day and up to 500,000 gallons on peak days for the power plant – such as during a summer heat wave with high demand for electricity and air conditioning. Every gallon of wastewater that is “reclaimed” at the new facility avoids the need to use drinking water to cool the power plant's fan turbines, helping free up the campus supply of potable water for other uses. Other UConn conservation efforts include ‘green’ building design practices; widespread use of drought-tolerant plants in areas that collect runoff and roof drainage; addition of low-flow fixtures in campus buildings; eliminating trays in dining halls to avoid the need to wash them; and outreach efforts to and by students to spread the conservation ethos.

Other developments this past year related to UConn's nationally and globally recognized sustainability and environmental initiatives included progress on the following energy and transportation improvements: (1) completing "retro-commissioning" projects at 13 campus buildings to improve the efficiency of each building's HVAC systems and replacing the lighting systems at 73 buildings – annually reducing 5,000 ton of greenhouse gas emissions while saving \$1 million in energy costs; (2) installing a new 400 kW UTC Power fuel cell, which uses a catalytic process instead of combustion to generate electricity and heat for several campus buildings – annually avoiding more than 800 tons of greenhouse gas emissions and saving more than 3 million gallons of cooling water required to produce the same amount of energy through conventional means; and (3) using a \$75,000 grant to purchase UConn's first all-electric fleet vehicle, recharged each night at an on-campus charging station donated by Connecticut Light & Power – this replaced a 10-year old truck for daily campus deliveries and saved the fuel costs and eliminated the emissions of the diesel truck that the electric vehicle replaced. These initiatives not only implemented UConn's Climate Action Plan but also represented substantial ongoing cost savings.

The Storrs Center project that will offer the UConn Storrs campus and Mansfield community a future village of restaurants and retail stores, offices, and new housing, opened with a first phase in summer of 2012 with 127 apartments, approximately 28,000 square feet of commercial space in three buildings, and a 660-space parking garage. Phase two planned for the upcoming year includes the addition of 195 apartments and 40,000 square feet of commercial space, a branch of UConn Co-op bookstore, the relocation of UConn's Ballard Institute and Museum of Puppetry from the Depot Campus, and a regional transportation center. Mansfield Downtown Partnership Inc., a non-profit organization comprised of members from Town of Mansfield and the University of Connecticut, is developing the village with Education Realty Trust, Inc. and Leyland Alliance LLC. Storrs Center when completed is anticipated to create enhanced community spaces, a permanent increase in tax revenue for the Town of Mansfield, new employment opportunities, and services and housing support for the Storrs campus. The project includes a mix of residential space, restaurants, and retail businesses.

Information Reported as Required by State Statute

In accordance with state and federal laws and regulations, the University of Connecticut is an Equal Employment Opportunity/Affirmative Action Employer. The University's affirmative action plans are in compliance with the requirements of the Commission on Human Rights and Opportunities, pursuant to the Regulations for Affirmative Action in the Connecticut General Statutes.

Fall 2012 minority undergraduate enrollment at all campuses was 26 percent. Graduate and professional minority enrollment was 17 percent. Ninety-six countries were represented among the international students, who comprised 18 percent of the graduate and professional students. Females comprised 50 percent of the undergraduate and 51 percent of the graduate/professional student populations.

The fall 2012 workforce for Storrs and regional campuses included 22 percent minority faculty and 17 percent minority staff. At the Health Center, the workforce included 28 percent minority faculty and 24 percent minority staff. Females comprised 40 percent of the faculty and 58 percent of the staff at Storrs and regional campuses. At the Health Center, females were 39 percent of the faculty and 77 percent of the staff.

An independent auditing firm gave its seal of approval to the University for fiscal prudence in managing construction spending for UCONN 2000 projects. McGladrey LLP, a Chicago-based financial consulting firm, notified UConn that it found no problems with the University's procedures for estimating project costs, maintaining records, allocating payments, and tracking budgets for the initiative in the 2012 fiscal year. The firm had reached a similarly positive conclusion for the 2011 fiscal year. UCONN 2000 is a \$2.3 billion, 20-year state investment that was launched in 1995 to overhaul the University's aging and often deteriorating infrastructure by renovating and replacing outdated structures at all of its campuses. The new audit findings underscore the University's strong fiscal standards for administering new major initiatives such as the Next Generation Connecticut.

The University of Connecticut Board of Trustees is comprised of 21 members: 12 appointed by the Governor; two elected by alumni; two elected by students; and five ex-officio, including the Governor and the Commissioners of Agriculture, Economic and Community Development, and Education. Members of the Board of Trustees in 2012-13 were: the Honorable Dannel P. Malloy (President), Lawrence D. McHugh (Chairman), Louise M. Bailey (Secretary), Dr. Francis X. Archambault, Jr., Rose A. Barham (Student Trustee), Brien T. Buckman (Student Trustee), Richard T. Carbray, Jr., Sanford Cloud, Jr., Peter S. Drotch, Marilda L. Gandara, Mary Ann Handley, Lenworth M. Jacobs, M.D., Thomas E. Kruger, Rebecca Lobo, Denis J. Nayden, the Honorable Stefan Pryor, the Honorable Steven K. Reviczky, Thomas D. Ritter, Wayne J. Shepperd, the Honorable Catherine H. Smith, and Richard Treibick.

Other information required by state statute appears in other sections of this report.