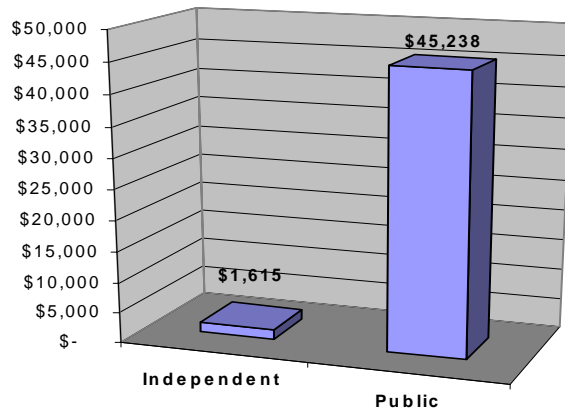


theindependentvoice

Connecticut Conference of Independent Colleges... Educators, Employers, Community Partners

FY 08 State Expenditure Per Degree Awarded At Connecticut Colleges



The non-profit independent college sector provides great value for Connecticut by awarding almost half of the degrees granted at a minimal state cost per degree.

Sources: State General Fund Expenditures 2008, IPEDS Degree data, Digest of Educational Statistics 2008. Public sector cost does not include general obligation bonding provided in support of capital needs.

Email us at finaid@theccic.org to let us know that you support funding for need-based financial aid.

Yale University - Kroon Hall Ultra Green Building

Yale University has completed construction of a new ultra-green building—designed to use 50 percent less energy than a comparably sized modern building—for its [School of Forestry & Environmental Studies \(F&ES\)](#). Kroon Hall achieves its remarkable energy savings from a host of [design elements and technical strategies](#) molded to fit the building's New England weather and climate.

"Yale's most sustainable building to date reflects the School's mission and the intellectual passion of its faculty and students," said Yale President Richard C. Levin. "It is an extraordinary design, and we hope its energy-saving concepts will be emulated widely and inspire others to advance green building even further."

Designed by Hopkins Architects of Great Britain in partnership with Connecticut-based Centerbrook Architects and Planners, the new \$33.5 million home for F&ES is expected to achieve platinum rating in the green-building certification program, Leadership in Energy and Environmental Design (LEED).



The building, located in the area of the University known as "Science Hill," is named for the family of benefactor and Yale College alumnus Richard Kroon. Providing 56,467 square feet of space, it is 57 feet wide and 218 feet long. With its high barrel-vaulted gable ends, simple lines, and curved rooftop, Kroon is a modernist blend of cathedral nave and Connecticut barn.

"Kroon Hall is on course to be among the greenest buildings in the U.S.," said Hopkins Director Michael Taylor. "True sustainability, however, is about more than improved quantitative performance. We have striven to create a piece of contemporary architecture that belongs in the context of the historic Yale campus."

The building's tall, thin shape and east-west orientation provide most of the heating and cooling. The lowest floor is set into a hillside, with only its south side exposed, providing thermal insulation, minimizing northern

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Quinnipiac University has officially opened its new \$40 million North Haven Campus.

Students in the physician assistant, nursing, physical therapy, occupational therapy, diagnostic imaging and radiologist assistant programs are attending classes in the first of four buildings

Quinnipiac purchased from Anthem for \$39.6 million in 2007. In addition, MBA students from the School of Business and master of arts in teaching students from the School of Education also take classes in the four-story facility located on the 104-acre campus.



"This facility has the best equipment available on the market today to teach students in our programs," said Edward O'Connor, dean of the School of Health Sciences. "I think you will be hard pressed to find another university in the country that has facilities that rival this one."

The 180,000-square-foot building, which is wireless, features 12 classrooms, 16 seminar and team study rooms, and 24 teaching laboratories, including an orthopedics lab, a rehabilitative sciences lab, a clinical skills lab, an intensive care unit, a health assessment lab, a physical exam suite, a physical diagnostics lab, a motion analysis lab and other special amenities that set it apart from other universities offering health sciences programs.

For example, students will spend time learning in a state-of-the-art model apartment, where they will train to teach patients how they can live at home independently. The apartment includes a Hoyer® lift that helps a patient move from the toilet, shower and bathtub. The kitchen area has cabinets that can be moved up and down, a dishwasher that can be used by a person in a wheel-

chair, and a refrigerator that has lighting that has been adjusted for patients with low vision or macular degeneration.

In addition to the model apartment, occupational therapy students also have a driving simulator that can help them determine if modifications to a car can help a client with a disability drive safely.

Students from various disciplines also will learn using SimMan® 3G patient simulators, and infant SimMan® patient simulators. On these mannequins, students can practice everything from taking a pulse and inserting an IV line to reviving a patient. In some of the examination areas, professors can stand behind a one-way mirror, project their voices through the mannequins, and describe symptoms to help the students determine what medical conditions they have.



The physical therapy department's new equipment includes the Biodes Balance System, which assesses neuromuscular control. Also, students take courses in laboratories where the desks can be easily converted into examination tables.

"We stress interdisciplinary learning in the School of Health Sciences," O'Connor said. "Today, health care focuses on the team approach. We want to initiate that philosophy during the educational process."

Part of the first floor of the building has been transformed into a Cafeteria with nearly 600 seats. A bookstore and library are also located on the first floor. The first floor also is home to the Digital Imaging Center, which has MRI and CTScan equipment.

Saint Joseph College School of Pharmacy to be Located in Downtown Hartford

For the first time in its 77-year history, Saint Joseph College is developing space beyond its West Hartford campus. The new School of Pharmacy, which will enroll its first class of doctoral students in fall 2010, will be located in downtown Hartford at Hartford 21 on Trumbull Street (adjacent to the XL Center). It is a move that reflects the College's ongoing commitment to the Greater Hartford community, while upholding the mission and values established by the College's founders, the Sisters of Mercy.

The Hartford Courant, in a front page article on December 4, announced the College's plan: "The College will invest \$5 million to outfit the space in time for its first class of students next fall, with a separate entrance on Trumbull Street. The pharmacy school initially is expected to bring 65 students into the city's central business district but that could swell to 300 in five years," wrote Kenneth Gosselin.

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(SJC cont. from p. 2)



"The School of Pharmacy is the perfect complement to the College's tradition: the program will provide students with a direct path to pharmacy careers while the community will benefit from having an influx of much-needed professionals," said President Pamela Trotman Reid, Ph.D.

The School will occupy more than 35,000 square feet on the third floor of 229 Trumbull Street and will be converted into state-of-the-art classrooms, labs and academic offices. The space is developed in partnership with Northland Investment Corporation and construction is scheduled for completion this summer.

"The School of Pharmacy will offer a premiere Pharmacy program, one that students are proud to attend and from which they will be proud to graduate, and one where they are imbued with a sense of integrity and service," said Dr. Joseph R. Ofosu, Dean of Pharmacy. "The program integrates classroom knowledge and professional performance to ensure competency in patient care. This is a program that focuses on practice professionals, the people who will go on to serve their communities in health centers, hospitals, nursing homes, neighborhood drug stores, and other endeavors."

The School of Pharmacy will offer a unique three-calendar year, co-educational doctoral degree program in Pharmacy (Pharm.D.). Like other professional degree programs (e.g. law or medicine), students can enroll upon completion of a bachelor's degree, subject to required courses. The College's full-time undergraduate program now offers a Pre-Pharmacy option where all the prerequisite courses can be completed. In addition, the School will collaborate with pharmaceutical companies and government organizations in activities to serve the area's health needs.

U.S. Congressman John Larson issued a statement regarding the College's plans: "Connecticut and the City of Hartford are home to leading companies and institutions in the health care industry. Saint Joseph College, with its programs in health professions, nursing, and now with their School of Pharmacy, will continue to prepare our workforce of the future to confront the nation and the state's growing health care needs."

SACRED HEART UNIVERSITY DEDICATES NEW CAMPUS CHAPEL OF THE HOLY SPIRIT



Sacred Heart University formally dedicated its new Chapel of the Holy Spirit on Sunday, September 27th. A year of special events will celebrate the new Chapel and will include Masses, ecumenical services, academic convocations and concerts.

Among the Chapel's special features are original mosaics by the world-famous Jesuit artist, Father Marko Ivan Rupnik, who designed Pope John Paul II's personal chapel at the Vatican. His other

international commissions include major works in Fatima and Lourdes. His work on SHU's Chapel has already attracted widespread attention and praise in major media outlets including *The New York Times*, *America*, and the *Chronicle of Higher Education*.

The Chapel was designed by Sasaki Associates, a world-class architectural firm that specializes in university projects at such schools as Harvard University, Boston College, Johns Hopkins, MIT, and Trinity College in Hartford.

The Chapel forms a pivotal campus landmark, serving as a powerful symbol of SHU's Catholic iden-

tity. According to SHU's president, Dr. Anthony J. Cernera, "It is only fitting that an institution so deeply rooted in the Catholic intellectual tradition create a space of great beauty, solely dedicated to the pursuit and expression of faith." The Chapel's principal



sanctuary welcomes 500 persons, with a smaller Chapel for

daily Mass and private prayer that seats 50. Its most prominent mosaics depict the Incarnation, the Resurrection, and Pentecost, central themes of Christian belief. There are outdoor gardens, and a spacious narthex - or foyer - suitable for public gatherings. The building and grounds are designed to suggest one of the defining themes of the Second Vatican Council: the Church as the Pilgrim People of God. The Chapel roof consists of copper folds in the manner of a nomadic tent, for example, and the narthex has walls of glass to demonstrate the intersection between daily life and the life of prayer.

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(SHU continued from p. 3)

The Chapel's bell tower holds four unique bronze bells, hand-cast in the Netherlands. The largest one weighs 1,500 pounds and the smallest weighs 447 pounds.

Masses and other appropriate events will be accompanied by music from a tracker organ designed and manufactured by Casavant Frères in Québec, one of the oldest and best-known pipe organ builders in the world.

The University Chapel is named for the Holy Spirit, calling on the Spirit of God to enlighten the life of the University. It is also an echo of the University's origins in 1963 at the beginning of the Second Vatican Council. At that time, the Council reaffirmed the vocation of all believers to participate in the work of the Church. "Catholics recognize in the Council a time when the presence of the Holy Spirit was especially evident - leading to a renewal of the Church, now on a global scale. Sacred Heart University is an embodiment of that calling: it was designed to be led and staffed by lay people - a first for the United States - and it continues to shape leaders for the Church and society," said Dr. Cernera.

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exposure, and increasing the amount of natural light that enters the building from adjacent courtyards. The long south facade maximizes solar gain during the winter, and Douglas fir louvers covering glass facades on the east and west ends keep out unwanted heat and glare. The building's shape, combined with the glass facades, enables daylight to provide much of the interior's illumination. Light and occupancy sensors dim artificial lighting when it is not needed.

Half of Kroon Hall's red oak paneling—15,000 board feet—came from the 7,840-acre Yale-Myers Forest in northern Connecticut, which is managed by the School and certified by the Forest Stewardship Council and the Sustainable Forestry Initiative. Kroon's pale yellow exterior, composed of sandstone from Ohio, echoes other Yale buildings.

A 100-kilowatt rooftop array of photovoltaic panels will provide about 25 percent of the electricity for the building. Four 1,500-foot-deep wells use the relatively constant 55-degree temperature of underground water to heat and cool the building, replacing the need for conventional boilers and air conditioning in the all-electric building. Four solar panels embedded in the southern facade provide the building with hot water. Renewable Energy Certificates will be purchased to provide the additional electricity needed for the building, reducing to zero the greenhouse gas emissions from Kroon Hall's operation.

Exposed concrete walls and ceilings provide thermal stability by retaining heat in winter and cooling in summer. Fifty percent of the concrete mix is blast slag, a postindustrial recycled material. Instead of air being forced through overhead ducts, an energy-saving displacement ventilation system moves warm and cool air through an air plenum and multiple diffusers in elevated floors. Low-velocity fans in the basement keep the air circulating throughout the building.

In winter, the ventilation system also transfers the heat from exhaust to incoming fresh air. In summer, the system uses the exhaust air to cool the incoming air. In mild weather, Kroon's occupants assist in the ventilation by opening windows in response to an electronic, color-coded prompt system.

A rainwater-harvesting system channels water from the roof and grounds to a garden in the south courtyard, where aquatic plants filter out sediment and contaminants. The grey water, held in underground storage tanks, is then pumped back into Kroon for flushing toilets and is used for irrigation. The system is expected to save 500,000 gallons of potable city water annually.



The Independent Voice is a publication of the Connecticut Conference of Independent Colleges, a public policy association representing Connecticut's nonprofit independent higher education institutions.

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