



BROWN
Pre-College Programs



FONTBONNE HALL ACADEMY PILOTS BROWN UNIVERSITY ONLINE ENGINEERING PROGRAM FOR HIGH SCHOOL STUDENTS

Fontbonne Hall Academy in Brooklyn, New York will offer the *Brown Pre-College Scholars Program in Engineering* in Fall 2015. Twenty-two students in grades 10-12 will participate in this year-long online course of study taught by faculty from Brown University's School of Engineering.

Fontbonne students selected for this innovative program will explore engineering and its design principles, and work collaboratively on biomedical, materials science, and renewable energy engineering projects. The program will be facilitated by Dr. Karen Haberstroh, Associate Director of Engineering Programs at Brown University's School of Professional Studies, and Dr. Indrek Külaots. Both are Lecturers in Engineering at Brown.

Working closely with their Brown instructors, students will participate in approximately five hours of coursework per week, including lab and demo activities, online discussions, assignments, and a year-long team design project. Students completing the program will earn Fontbonne Hall Academy credit.

"Our partnership with Brown University is an important addition to Fontbonne's STEM program. It's exciting to be the first high school with this program, and as an all-girls school, we want to offer programs that inspire young women to pursue science and engineering," said Fontbonne Hall Academy Principal Mary Ann Spicijaric.

During the course of the program, Brown University will welcome participating students to Brown's campus for a guided tour of the School of Engineering and interaction with faculty and students. In addition, to further support students' interest in engineering, the School of Professional Studies will offer four need-based partial scholarships to the 2016 Summer@Brown Program, a nationally recognized pre-college program that offers nearly 200 courses to high school students on the Brown campus each summer.

"We are delighted to bring Brown's expertise in engineering, long-standing experience in pre-college programs, and innovative approach to online pedagogy to Fontbonne's talented students," said Karen Sibley, Brown University's Vice President for Strategic Initiatives and Dean of the School of Professional Studies. "Brown's commitment to science and technology leadership coupled with Fontbonne's commitment to STEM education makes Fontbonne a perfect fit as our partner for the Brown Pre-College Scholars Program."

Brown University's Pre-College Programs, offered by the University's School of Professional Studies, enable high school students to experience college-level learning, prepare for academic success, and connect with talented, motivated students from around the world. Programs include residential and online courses, and global experiences. Brown's pre-college online courses are rigorous, active learning experiences designed specifically for high school students and led by Brown instructors. The courses foster exciting, dynamic learning communities that encourage curiosity and discovery, teamwork, and networking. Brown's online instructors are enthusiastic, imaginative educators working at the forefront of online teaching and learning. They work closely with the University's instructional designers to develop and facilitate courses that exemplify best practices of student-centered design and inquiry-based learning.

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Fontbonne Hall Academy is a private college preparatory school for young women in grades 9-12. Based in Brooklyn, New York, Fontbonne aims to be a premier school for girls' STEM education, and is developing a STEM diploma.

Founded in 1764, Brown University is an independent, coeducational Ivy League institution. It is recognized for the quality of its teaching and research, and unique student-centered curriculum. Brown University's School of Professional Studies offers a portfolio of Pre-College Programs that includes summer courses on the Brown University campus, online courses, leadership, and global programs. Each year 5,000 students from more than 60 countries choose Brown Pre-College Programs.

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