Science Research Program Database

What is Science Research? Why is it important?

Whether you intend to pursue a career in research, medicine, or business, participating in science research as an undergraduate is an excellent way to gain experiences and skills that will benefit you both academically and professionally. Research programs allow you to explore your academic interests and test the suitability of a career in science research.

You do not need to be an expert to participate in research! Most programs are designed to train new scientists like yourself and help you develop skills in research techniques, collaborative learning, problem solving, teamwork, communication, analytical skills, and critical thinking.

What do employers want? "Employers like to see graduates who've tackled personal and independent projects requiring significant attention and effort. Such projects can demonstrate dedication and grit."
(*Chronicle of Higher Education*, January 30, 2015, Vol. 61, No. 20.)

What questions to ask before I do Science Research?

How much time can I commit to conducting research?
Will I need financial support to conduct research throughout the summer and academic year?
What kind of research work interests me?
What do I want to gain from my research experience?
How can I best prepare myself academically and professionally to do research?

How do I apply for Science Research? How do I use this Database?

Many research programs involve a competitive application process in which students submit a personal statement describing their interests and motivations for conducting research, copies of academic transcripts, as well as recommendation letters from faculty and professors.

Applications for many programs in this guide typically become available in the fall, deadlines are generally in winter or early spring, and most programs run during the summer. However, some programs run throughout the academic year, particularly those at Kingsborough and within CUNY.

Things to double-check when selecting research programs:

✓ Program start/end dates that may interfere with Kingsborough's spring and/or summer schedule

✓ Minimum GPA requirements

✓ Academic class standing requirements (e.g. freshman, sophomore, junior, senior)

This guide is not a comprehensive list of all possible research programs, but will help get you started on your search. Our motto is if you want to find research, you have to do your research! There are hundreds of opportunities at schools in New York and across the country. Do not be deterred by distance, since many programs offer travel stipends and accommodations such as on-campus housing (e.g. dormitories).

Please be Advised: This database is a guide. Research program information is continually changing and being updated. Please refer to individual program websites for the most accurate information.

If you have questions about how to use this research database or if would like to discuss research opportunities in more detail, please contact a STEM Academic Advisor.
Jodie Delsol (Physical Sciences, S-243) 718-368-5547
Tara Scannell (Biological Sciences, S-204) 718-368-5265

Research at Kingsborough Community College

Program	Program Information	Deadline
LSAMP	12-36 credits $1,000/year, 36+ credits $2,000/year http://www.kbcc.cuny.edu/sub-other/sub-special_programs/amp/Pages/amp_mission.aspx	Ongoing
CUNY Research Scholars	2 semesters, $5,000 stipend http://www.cuny.edu/research/sr/undergrad-research/research-scholars.html	Mid fall semester
CSTEP (Biology Dept)	http://www.kbcc.cuny.edu/academicDepartments/bio/C_STEP/Pages/CSTEPinfo.aspx	End of winter module
Bridges to Baccalaureate (Biology Dept)	http://www.kbcc.cuny.edu/academicdepartments/bio/bridges/Pages/default.aspx	End of winter module

Research within CUNY

Program	Program Information	Deadline
CUNY Summer Undergraduate Research Program (CSURP)	$4,000 stipend, MetroCard, optional housing http://www.cuny.edu/research/sr/csurp.html (Environmental Sciences, Nanoscience, Neuroscience, Structural Biology, Photonics)	Jan 31
Brooklyn College Center for Achievement in Science Education (CASE) Programs	http://www.brooklyn.cuny.edu/web/academics/centers/case/programs.php	Varies
City College MARC/RISE Programs	http://www.sci.ccny.cuny.edu/rise/index.html (Biomedical or Behavioral Research)	Varies
Research Opportunities within CUNY Database	http://www.cuny.edu/research/sr/undergrad-research/for-students/research-programs.html	Varies
Systems Biology Center New York (SBCNY) Summer Research at Icahn School of Medicine at Mount Sinai	$4,000 stipend, must be entering CUNY four-year school http://www.sbcny.org/ http://www.sbcny.org/program_details.html Computational Systems Biology, Quantitative Biomedical Sciences	Varies

Programs for Pre-Med Students

Program	Program Information	Deadline
Association of American Medical Colleges (AAMC) Research Database	https://www.aamc.org/members/great/61052/great_summerlinks.html Medical, Biomedical, Pharmacology, Neuroscience, Health Sciences	Varies
MedPrep Program	Must commit to 3 summers full-time at Columbia College of Physicians and Surgeons http://www.neramedprep.org/themedprepprogram.html	March 1
SUNY University at Buffalo CLIMB-UP	https://www.buffalo.edu/climb/climb-up.html Biomedical and health sciences research	February 1

Research in Biology

Program	Program Information	Deadline
National Science Foundation: Research Experiences for Undergraduates (NSF:REU) (various sites & topics)	https://www.nsf.gov/crssprgm/reu/list_result.jsp?unitid=5047 (Biological Sciences)	Varies
NYS Sea Grant Programs (various sites & topics)	http://www.seagrant.sunysb.edu/proposals/ Environmental Sustainability, Coastal Resource Policy, Marine Studies	Varies
RIT Research & Internship Database (Life Sciences)	http://people.rit.edu/gtfsbi/Symp/calpha20011.htm	Varies
Cold Spring Harbor Summer Undergraduate Research	http://www.cshl.edu/Education/Undergraduate-Research.html Molecular Biology & Cancer, Genetics & Genomics, Neuroscience, Plant Biology, Quantitative Biology	January 15
Summer Undergraduate Research Fellowship SURF at Rockefeller University	http://www.rockefeller.edu/surf/ Biochemistry; structural biology and chemistry; molecular, cell and developmental biology; immunology; virology and microbiology; neuroscience; physics; and mathematical biology - open to sophomores and juniors	February 1

Research in Chemistry

Program	Program Information	Deadline
National Science Foundation: Research Experiences for Undergraduates (NSF:REU) (various sites & topics)	http://www.nsf.gov/crssprgm/reu/list_result.jsp?unitid=5048&d-49653-s=1&d-49653-o=1&d-49653-p=1 (Chemistry)	Varies
Pathways to Science: Chemistry Database	http://pathwaystoscience.org/programs.aspx?u=&d=ENG-Chemistry_Chemistry&submit=y	Varies

Research in Engineering

Program	Program Information	Deadline
City College Engineering Research Database	http://www.ccny.cuny.edu/engineering/centers.cfm	Varies
National Science Foundation: Research Experiences for Undergraduates (NSF:REU)	http://www.nsf.gov/crssprgm/reu/list_result.jsp?unitid=10006 (Engineering)	Varies

Research in Other STEM Fields

Program	Program Information	Deadline
Weill Cornell Gateways to the Laboratory Program	weill.cornell.edu/mdphd/summerprogram/application.html	February 1
National Science Foundation: Research Experiences for Undergraduates (NSF:REU)	http://www.nsf.gov/crssprgm/reu/reu_search.jsp (various sites & topics)	Varies
Pathways to Science: Engineering & Physical Science Database	http://www.pathwaystoscience.org/programs.aspx?u=Undergrads_Undergraduate+Students&d=ENG-_Engineering+%26+Physical+Sciences+%28All%29&submit=y	Varies

NASA OSSI Goddard Institute for Space Studies (various opportunities)	https://intern.nasa.gov/ossi/web/public/guest/searchOpps/index.cfm	March 1

Research for Underrepresented Student Groups

Program	Program Information	Deadline
KBCC Bridges	http://www.kbcc.cuny.edu/academicdepartments/bio/bridges/Pages/default.aspx	End of winter module
Brooklyn CASE	http://www.brooklyn.cuny.edu/web/academics/centers/case/programs.php	Submit when apply to transfer
City College MARC/RISE	http://www.sci.ccny.cuny.edu/rise/index.html	Submit when apply to transfer
SUNY Downstate Office of Minority Affairs - Biomedical Research	http://sls.downstate.edu/minority_affairs/	March 1
The Leadership Alliance Summer Research-Early Identification Program (SR-EIP)	http://www.theleadershipalliance.org/tabid/242/default.aspx A rigorous research experience designed specifically for undergraduates interested in applying to PhD or MD-PhD programs - open to sophomores, various sites	February 1
Partnership for Minority Advancement in the Biomolecular Sciences	http://www.unc.edu/pmabs/northeast/eastern.html Summer internships and research programs, stipends, travel funds, and other opportunities for undergraduates in the biological sciences	Varies

Additional Online Research Databases

Program	Program Information	Deadline
Pathways to Science	http://pathwaystoscience.org/ http://pathwaystoscience.org/programs.aspx	Varies
Brooklyn College Summer Research Database	http://www.brooklyn.cuny.edu/web/academics/centers/magner/students/research.php http://websql.brooklyn.cuny.edu/summerprograms/displayPrograms	Varies
Columbia Research Database (Biology)	http://www.columbia.edu/cu/biology/ug/intern.html	Varies
Hunter College Summer Research Database	http://www.hunter.cuny.edu/scimon/research/summerresearch	Varies
City College Summer Research & Fellowship Database	http://www.ccny.cuny.edu/fellowships/summerresearch.cfm	Varies
CUNY Undergraduate Research Database	http://www2.cuny.edu/financial-aid/scholarships/prestigious-scholarships/undergraduate-research-opportunities/	Varies
RIT Research & Internship Database (various topic areas)	http://people.rit.edu/gtfsbi/Symp/summer.htm	Varies

Out of State Research Opportunities

Program	Program Information	Deadline
National Eye Institute Diversity in Vision Research & Ophthalmology (DIVRO)	https://nei.nih.gov/training/diversity_in_research	March 1
NIH Summer Internship Program SIP (various sites)	https://www2.training.nih.gov/apps/publicforms/sip/forms/sipapp.aspx	March 1
NIH Summer Internship Program SIP Biomedical Research	https://www.training.nih.gov/programs/sip	March 1
U of Michigan Medical School Summer Undergraduate Research in Physiology	$4,200 stipend, travel coverage, $1,000 housing assistance, $1,000 towards research supplies https://sites.google.com/a/umich.edu/surp/home https://sites.google.com/a/umich.edu/surp/applicant-information	March 1
U of Maryland School of Public Health Summer Training & Research (UM-STAR)	Must commit to 2 summers http://sph.umd.edu/content/school-public-health-summer-training-and-research-um-star	Mid February
U of Nebraska-Lincoln (various research areas)	http://www.unl.edu/summerprogram/ (Biochemistry, Plant Science/Pathology, Biomedical Engineering, Chemistry, Civil Engineering, Computer Science, Electrical Engineering, Materials Science & Engineering, Microbiology, Mechanical Engineering, Nanoscience & Nanotechnology, Optics & Laser Physics, Psychology, Redox Biology, Sociology, Virology)	March 1
NYS Sea Grant Programs (various sites & topics)	http://www.seagrant.sunysb.edu/proposals/	Varies
Center for Sustainable Nanotechnology (various site placements)	Research Experience for Undergraduates (REU) http://susnano.chem.wisc.edu/reu Research Experience for Veterans (REV) http://susnano.chem.wisc.edu/rev	February 15
U of Oregon Summer Program for Undergraduate Research (SPUR)	http://spur.uoregon.edu/ (Institute of Molecular Biology, Institute of Neuroscience, Center for Ecology and Evolutionary Biology, Departments of Biology, Chemistry, Exercise & Movement Science, Physics, Computer & Information Science, Psychology)	Rolling (Jan-end of March)
Harvard School of Public Health Center for Communicable Disease Dynamics Summer Program and Annual Conference	Summer Program in Epidemiology http://ccdd.hsph.harvard.edu/Opportunities/Summer-Program Annual Outreach Conference to Increase Diversity in Mathematical Modeling & Public Health http://ccdd.hsph.harvard.edu/Opportunities/Infectious-Disease-Transmission-Dynamics-Increasing-Diversity-in-Science	Mid-End February (Summer Program deadline) Mid March (Conference deadline)