# Middlebury STEM Resources ’18-’19: Table of Contents

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If you are interested in pursuing a career in a STEM field (science, technology, engineering, and mathematics), here are steps to get you started:

- **What are the STEM majors at Middlebury?**
  - Biology
  - Chemistry & Biochemistry
  - Computer Science
  - Environmental Studies
  - Geology
  - Mathematics
  - Molecular Biology & Biochemistry
  - Neuroscience
  - Physics
  - Psychology
- **Meet with one of the STEM advisors in CCI.**
- Attend information meetings: Gain an overview of the unique requirement in these fields; discover interesting internship opportunities; learn how to become a competitive candidate.
- Begin to work on your networking skills to connect with people who can help you create or find your own internship, or who can offer career advice.
- Look for ways to incorporate research opportunities into your resume. Read below in the Gaining Experience section for suggested opportunities.
- Read the Science and Technology blog. Find leads on opportunities for relevant experience; keep abreast of pertinent lectures and presentations; learn what fellow STEM students are up to.
- Many of our STEM majors are also interested in Social Impact Careers. We highly recommend subscribing to the Social Impact blog and meeting with Tracy Himmel Isham, Career Advisor at CCI.
- Join student orgs related to your interests.
- LinkedIn is the winning social media tool for business networking. LinkedIn Groups can help you form new connections. Start with Middlebury groups and reach out to alumni. Follow businesses you admire and treat your profile like a professional brochure.
Gaining Experience in STEM Fields

The pages listed below contain useful links to employers’, organizations’, and career search websites, both for general resources and by career area.

Please note: Middlebury College and the Center for Careers and Internships do not necessarily endorse or support the organizations, companies, programs, and or websites listed on these pages.

Undergraduate Research Summer Opportunities and Helpful Resources

Here is a helpful online database of options

Biology

Summer Opportunities

- Minority Health Disparities Research Opportunities (MHD), University of Arizona, AZ
- The Summer Undergraduate Research Experience (SURE) Program, Keck Graduate Institute, Claremont, CA
- Summer Undergraduate Research in Biology, Pepperdine University, Malibu, CA
- Summer Undergraduate Research Fellowship (SURF), Pasadena, CA
- Summer Research Training Program, UC San Francisco, San Francisco, CA
- California Alliance For Minority Participation (CAMP), University of California Santa Cruz, Santa Cruz, CA
- Significant Opportunities in Atmospheric Research and Science (SOARS), National Center for Atmosphere Research (NCAR), Boulder, CO
- Summer Multicultural Access to Research Training (SMART), University of Colorado, Boulder, CO
- The Summer Health Professions Education Program (SHPEP), (Several sites across the U.S.)
- Department of Energy & Environmental Protection (DEEP) Internship Program, CT
- Carnegie Institution Geophysical Laboratory, Carnegie Institution of Washington, Washington, DC
- Entry Point, American Association for the Advancement of Science, Washington, DC
- Student Research Participation Program, Argonne National Laboratory, Argonne, IL
- Summer Honors Undergraduate Research Program, Harvard Medical School, Boston, MA
- Summer Undergraduate Research Program, Lincoln Laboratory, MIT, MA
- NSF Research Experience for Undergraduates (REU Program), Tufts University, Boston, MA
- Scientific Summer Scholars Program, Novartis Institutes for Biomedical Research, Cambridge, MA
- US Summer Student Worker Program, Pfizer, Cambridge, MA
- National Cancer Institute Summer Internship Program, Division of Cancer Epidemiology and Genetics (DCEG), Bethesda, MD
- Research and Training Opportunities: General, National Institutes of Health, Bethesda, MD
- Biomedical Engineering Summer Internship Program (BESIP), Bethesda, MD
- Summer Enrichment Program in Health Management and Policy, University of Michigan School of Public Health, Ann Arbor, MI
- Biomedical & Life Sciences Summer Fellowship, University of Michigan, Ann Arbor, MI
- Biomedical Research Apprenticeship Program, Washington University, St. Louis, MO
- **Life Sciences Undergraduate Summer Research Program**, University of Minnesota, Saint Paul, St. Paul, MN
- **National Institute of Environmental Health Sciences**, Research Triangle Park, Durham, NC
- **Mt. Sinai Summer Undergraduate Research Program**, Mt. Sinai, New York, NY
- **Undergraduate Summer Research Program**, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY
- **Lamont-Doherty Earth Observatory**, Columbia University, New York, NY
- **Sloan-Kettering Undergraduate Research Program**, Sloan-Kettering Cancer Center, New York, NY
- **Undergraduate Research at University of Nevada**, Reno, NV
- **Summer Internships in the Biological Sciences**, University of Pennsylvania, Philadelphia, PA
- **REU Summer Internship-Institute for Tropical Ecosystem Studies**, University of Puerto Rico
- **Pediatric Oncology Education (POE) Program**, St. Jude Children's Research Hospital, Memphis, TN
- **Summer Medical and Research Training Program (SMART)**, Baylor College of Medicine, Houston, TX
- **Summer Undergraduate Research Fellowship (SURF)**, University of Texas, Dallas Southwestern Medical Center, Dallas, TX
- **Summer Research Program in Cell and Molecular Biology**, University of Wisconsin, Madison, Madison, WI
- **National Oceanic and Atmospheric Administration (NOAA)**
- **The Genetics Society of America**
- **RISE DAAD**, (Research Internships in Science and Engineering): In Germany. Engineering, Biology, Chemistry, Physics, Earth Sciences
- **The Leadership Alliance Summer Program** (Several sites across the U.S.)
- **Merck Summer Pharmaceutical Research Internship** (Several sites across the U.S.)
- **NASA Student Research Program** (Multiple locations)

Helpful Resources

**Associations**
- **Union of Concerned Scientists**

**General Information**
- **The American Institute of Biological Sciences**
- **The National Science Foundation**
- **National Institutes of Health (NIH)**

**Chemistry & Biochemistry**

**Summer Opportunities**
- **The Summer Undergraduate Research Experience (SURE) Program**, Keck Graduate Institute, Claremont, CA
- **California Alliance For Minority Participation (CAMP)**, University of California Santa Cruz, Santa Cruz, CA
- **Summer Undergraduate Research Fellowship (SURF)**, Pasadena, CA
- **Significant Opportunities in Atmospheric Research and Science (SOARS)**, National Center for Atmosphere Research (NCAR), Boulder, CO
- **DEEP Internship Program**, CT
- **Carnegie Institution Geophysical Laboratory**, Carnegie Institution of Washington, Washington, DC
- **Entry Point** (for students with apparent and non-apparent disabilities), American Association for the Advancement of Science, Washington, DC
- **Argonne National Laboratory**, U.S. Department of Energy Office of Science, UChicago Argonne, Argonne, IL
- **Scientific Summer Scholars Program**, Novartis Institutes for Biomedical Research, Cambridge, MA
- **US Summer Student Worker Program**, Pfizer, Cambridge, MA
- **Summer Undergraduate Research Program**, Lincoln Laboratory, MIT, Lincoln, MA
- **National Cancer Institute Summer Internship Program**, Division of Cancer Epidemiology and Genetics (DCEG), Bethesda, MD
- **Research and Training Opportunities: General**, National Institutes of Health, Bethesda, MD
- **Research Experience for Undergraduates (REU) in Chemistry at University of Michigan**, University of Michigan, Ann Arbor, MI
- **Biomedical Research Apprenticeship Program**, Washington University, St. Louis, MO
- **The Summer Internship Program at the NIEHS**, Research Triangle, NC
- **University of Nebraska-Lincoln Summer Research Program**, University of Nebraska-Lincoln, NE
- **Undergraduate Summer Research Program**, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY
- **Lamont-Doherty Earth Observatory**, Columbia University, New York, NY
- **Sloan-Kettering Undergraduate Research Program**, Sloan-Kettering Cancer Center, New York, NY
- **Undergraduate Research at University of Nevada**, Reno, NV
- **Summer Internships in the Biological Sciences**, University of Pennsylvania, Philadelphia, PA
- **Lunar and Planetary Institute Program**, Lunar and Planetary Institute, Houston, TX
- **RISE DAAD**, (Research Internships in Science and Engineering): In Germany. Engineering, Biology, Chemistry, Physics, Earth Sciences
- **Thai REU Program**, for chemistry undergraduates from the U.S.
- **The Leadership Alliance Summer Program** (Several sites across the U.S.)
- **NASA Student Research Program** (Multiple locations)
- **U.S. Army Research Laboratory (ARL)** (locations vary)

**Helpful Resources**

**Associations**
- **American Chemical Society**
- **American Association of Clinical Chemistry**
- **Society for Advancement of Chicanos and Native Americans in Science (SACNAS)**, Santa Cruz, CA
- **Union of Concerned Scientists**

**General Information**
- **Ames Laboratories**, U.S. Department of Energy, Iowa State University

**Computer Science**

**Summer Opportunities**
- **The Summer Undergraduate Research Experience (SURE) Program**, Keck Graduate Institute, Claremont, CA
- **Minority Undergraduate Research Fellowships (MURF)**, Caltech, Pasadena, CA
- **Significant Opportunities in Atmospheric Research and Science (SOARS)**, National Center for Atmosphere Research (NCAR), Boulder, CA
- **DEEP Internship Program**, CT
- **EntryPoint** (for students with apparent and non-apparent disabilities), American Association for the Advancement of Science, Washington, DC
- **Student Research Participation Program**, Argonne National Laboratory, Argonne, IL
- **Summer Undergraduate Research Program**, Lincoln Laboratory, MIT, MA
- **University of Nebraska-Lincoln Summer Research Program**, University of Nebraska-Lincoln, NE
- **Microsoft** (Locations vary)
- **National Science Foundation (NSF) REUs** (Several sites across U.S.)
- **AT&T Internships** (Multiple Locations)
- **Google**, summer internship and job listings, also includes tips and resources for how to improve technical skills (Locations vary, also international)
- **IBM Extreme Blue** (Locations vary, also international)
- **RISE DAAD**, (Research Internships in Science and Engineering): In Germany. Engineering, Biology, Chemistry, Physics, Earth Sciences
- **CRA Conquer**, Database of research opportunities for the summer and during the school year
- **Council on Undergraduate Research (CUR) Research Opportunities**

**Helpful Resources**

**Associations**
- **Academy of Interactive Arts & Sciences**
- **Association for Computer Machinery**
- **Entertainment Software Association**
- **Council on Undergraduate Research (CUR)**, resources for students
- **CRA Conquer**, resources for students
- **Society for Advancement of Chicanos and Native Americans in Science (SACNAS)**, Santa Cruz, CA
- **Society for Technical Communication**

**Skill Development**
- **HTML Writers Guild**, offers web design training
- **Google**, summer internship and job listings, also includes tips and resources for how to improve technical skills

**Job Listings**
- **Computer Science Online**, ‘Get the inside scoop on who’s hiring in tech and what they’re really looking for’
- **Computerjobs.com**
- **Computerwork.com**
- **Microsoft**

**Environmental Science**

**Summer Opportunities**
- **Monterey Bay Regional Ocean Science Research Experiences**, California State University – Monterey, Marina, CA
- **National Renewable Energy Laboratory Summer Internship**, NREL, Golden, CO
- **DEEP Internship Program**, CT
- **Marine Sciences Summer Program**, University of Delaware, Newark, DE
- **Dolphin Research Institute**, Grassy Key, FL
- **Coastal Biology**, University of North Florida, Jacksonville, FL
- **Suburban Ecology and Invasive Species**, University of Kentucky, Lexington, KY
- **Marine and Estuarine Science**, Maryland Sea Grant, College Park, MD
- Smithsonian Environmental Research Center (SERC), Edgewater, MD
- Ecosystem Restoration, The University at Buffalo, Buffalo, NY
- Cary Institute for Ecosystem Studies, Millbrook, NY
- Sevilleta LTER Field Station, University of New Mexico, Sevilleta Field Station, NM
- Rubenstein Ecosystem Science Laboratory, University of Vermont, VT
- Linking Applied Knowledge and Environmental Sustainability (LAKES), University of Wisconsin – Stout, Menomonie, WI
- Multiple Element Limitation in Northern Hardwood Ecosystems, Hubbard Brook and Bartlett Experimental Forests, NH
- Undergraduate Research at University of Nevada, Reno, NV
- Virginia Institute for Marine Science, The College of William & Mary, Gloucester Point, VA
- Tropical Biology (Costa Rica), Organization for Tropical Studies, Costa Rica
- RISE DAAD, (Research Internships in Science and Engineering): In Germany. Engineering, Biology, Chemistry, Physics, Earth Sciences)
- Environmental Internships and Career Opportunities (Multiple locations)
- Alliance to Save Energy, Internship and Career opportunities (Multiple locations)
- MySummers.com, Summer Camp jobs (Multiple locations)
- The Student Conservation Association (Multiple locations)

Specific Interests

Associations, Groups, and Policy-making
- 1 Sky
- Alliance to Save Energy
- American Council for an Energy-Efficient Economy
- American Council on Renewable Energy
- American Wind Energy Association
- Association of Energy Engineers
- Center for Energy Efficiency & Renewable Technologies
- Environmental and Energy Study Institute
- International Energy Agency
- National Renewable Energy Laboratory
- Northeast Energy Efficiency Partnership
- Groundwire
- Renewable Energy Vermont
- Rocky Mountain Institute
- The American Council on an Energy-Efficient Economy
- The Association for Energy Affordability, Inc
- U.S. Department of Energy
- U.S. Environmental Protection Agency

Environmental Education and Communication
- Environmental News Network
- GLOBE Program
- E&E Publishing
- The Orion Society
Forestry
- American Forest Foundation
- American Forests
- Forest People
- Forest Service Employees for Environmental Ethics
- National Association of State Foresters
- Trees NY
- US Forest Service

Hazardous Waste Management
- Natural Resources Defense Council
- Superfund Basic Research Program

Land and Water Conservation; Fishery and Wildlife Management
- American Institute of Biological Sciences
- "Aquanet"
- Biodiversity and Ecosystems Informatics Work Group
- Conservation International
- Land Trust Alliance
- National Audubon Society
- National Wildlife Federation
- Native American Fish and Wildlife Society
- Ocean Conservancy
- Student Conservation Association
- The Nature Conservancy
- The Wilderness Society
- Trust for Public Land
- U.S. Fish and Wildlife Service
- U.S. Geological Survey Ecosystems
- World Wildlife Fund

Parks and Outdoor Recreation
- www.coolworks.com
- The Ecotourism Society
- Mysummers.com
- National Parks Conservation Association
- National Parks Service
- Jobs in and around the National Parks
- National Recreation and Park Association

Planning
- American Planning Association
- Association of American Geographers
- Association of Collegiate Schools of Planning
- American Society of Landscape Architects
- Planner's Network
- Land Trust Alliance
- Urban Land Institute
- Community Planning
Solid Waste Management
- Biocycle: The Journal of Composting and Recycling
- National Solid Wastes Management Association

Sustainable Development and Design
- Center for Maximum Potential Building Systems
- International Institute for Sustainable Development
- Urban Ecology
- Green Dream Jobs

Water Quality Management
- American Rivers
- American Water Works Association
- River Network
- U.S. Environmental Protection Agency: Office of Water

Helpful Resources

Associations
- 1 Sky
- American Council for an Energy-Efficient Economy
- American Council on Renewable Energy
- American Wind Energy Association
- Association of Energy Engineers
- Energy Action Coalition
- International Energy Agency
- Northeast Energy Efficiency Partnership
- Renewable Energy Vermont
- The Association for Energy Affordability, Inc
- U.S. Department of Energy
- U.S. Environmental Protection Agency

General Information
- Center for Clean Air Policy
- Center for Energy Efficiency & Renewable Technologies
- Earth Policy Institute
- Environmental Defense Fund
- Natural Resources Defense Council
- U.S. Environmental Protection Agency

Job Listings
- Amazing Environmental Organization Web Directory
- Alaska Conservation Foundation internships
- All Earth Renewables Solar Energy Careers
- California Environmental Associates
- Careers in Wind
- www.coolworks.com
- EcoEmploy.com
- Energy Jobs Portal
- Environmental and Energy Study Institute
Environmental Career Opportunities
Environmental and Non-profit Academic Jobs and Internships in Washington, D.C.
Forest People
GIS Jobs Clearinghouse
Green America
GreenBiz.com
GRIST Job Board
Groundwire
National Audubon Society
National Renewable Energy Laboratory
Natural Resources Job Search
Net Impact.org
Orion Grassroots Network
Rocky Mountain Institute
SustainableBusiness.com
SGS North America
The American Council on an Energy-Efficient Economy
Washington D.C. Internships in Environmental Policy
Wind Energy Jobs Page

Blogs
- 1sky.org
- Eurekamag.com
- Realclimate.org

Graduate School Programs
Comprehensive Environmental Studies Programs
- Duke University: The Nicholas School of the Environment
- University of Michigan School of Natural Resources & Environment
- University of Wisconsin-Madison: Institute for Environmental Studies
- State University of New York (SUNY) College of Environmental Science and Forestry
- University of Montana, College of Forestry and Conservation

Experiential Programs
- Antioch New England

Management of Natural Resources
- Oregon State University College of Forestry
- Colorado State University College of Natural Resources
- University of Washington College of Forestry

Environmental Law
- Vermont Law School
- Lewis and Clark
- University of Colorado School of Law
**Engineering**

Summer Opportunities

- **The Summer Undergraduate Research Experience (SURE) Program**, Keck Graduate Institute, Claremont, CA
- **Summer Undergraduate Research Fellowship (SURF)**, Pasadena, CA
- **California Alliance For Minority Participation (CAMP)**, University of California Santa Cruz, Santa Cruz, CA
- **Significant Opportunities in Atmospheric Research and Science (SOARS)**, National Center for Atmosphere Research (NCAR), Boulder, CO
- **DEEP Internship Program**, CT
- **Energy Information Administration**, U.S. Energy Information Administration, Washington, DC
- **Summer Program in Engineering and Public Policy**, WISE, Washington, DC
- **Entry Point** (for students with apparent and non-apparent disabilities), American Association for the Advancement of Science, Washington, DC
- **Argonne National Laboratory**, U.S. Department of Energy Office of Science, UChicago Argonne, Argonne, IL
- **Summer Undergraduate Research Program**, Lincoln Laboratory, MIT, Lincoln, MA
- **Neural Systems Engineering REU**, University of Minnesota, St. Paul, MN
- **Undergraduate Research at University of Nevada**, Reno, NV
- **Integrated Optics for Undergraduates (IOU)** (Several sites across the U.S.)
- **Forest People**, Canada
- **RISE DAAD** (Research Internships in Science and Engineering): In Germany. Engineering, Biology, Chemistry, Physics, Earth Sciences
- **AT&T Internships** (Multiple Locations)
- **U.S. Army Research Laboratory (ARL)**

**Helpful Resources**

**Associations**

- **Society for Advancement of Chicanos and Native Americans in Science (SACNAS)**, Santa Cruz, CA

**Job Listings**

- **Riverside Research Institute**

**Geology**

Summer Opportunities

- **Keck Geology Consortium (REU)**, Keck Graduate Institute, Claremont, CA
- **Carnegie Institution Geophysical Laboratory**, Carnegie Institution of Washington, Washington, DC
- **Natural History Research Experiences**, National Museum of Natural History, Washington, DC
- **Basic and Environmental Soil Science Training (BESST)**, NC State University, Raleigh, NC
- **Dynamic Urban Environmental Systems and Sustainability**, Rutgers University, Newark, NJ
- **Lamont-Doherty Earth Observatory**, Columbia University, NY
- **Lunar and Planetary Institute Program**, Lunar and Planetary Institute, Houston, TX
- **Hazards and Risks of Climate Change in the Pacific Northwest**, Central Washington University, Ellensburg, WA
- GSA's GeoCorps Program (Multiple locations)
- Department of Energy
- NSF-REU Geology Programs

Helpful Resources
Job Listings
- GSA's GeoCorps Program

Information Technology

Summer Opportunities
- Summer Undergraduate Research Fellowship in Informational Technology (SURF-IT), University of California Irvine, Irvine, CA
- DEEP Internship Program, CT

Math

Summer Opportunities
- Summer Undergraduate Research Fellowships (SURF), Caltech, Pasadena, CA
- Significant Opportunities in Atmospheric Research and Science (SOARS), National Center for Atmosphere Research (NCAR), Boulder, CO
- Entry Point (for students with apparent and non-apparent disabilities), American Association for the Advancement of Science, Washington, DC
- Energy Information Administration, U.S. Energy Information Administration, Washington, DC
- Kennedy Space Center Pathways Program, for college undergraduate students, FL
- Student Research Participation Program, Argonne National Laboratory, Argonne, IL
- Summer Undergraduate Research Program, Lincoln Laboratory, MIT, MA
- Lamont-Doherty Earth Observatory, Columbia University, NY
- Pre-REU Program, Texas A&M University, TX
- AT&T Internships (Multiple Locations)
- EDGE Program-for women who are applying to graduate programs in mathematics, (Multiple Locations)
- Student Research Programs, Institute for Pure and Applied Mathematics at UCLA - International students are also eligible for this
- Summer Institute for Training Biostatistics (SIBS), links to multiple programs
- American Mathematical Society list of REU sites
- American Mathematical Society internship and co-op opportunities

Helpful Resources
Associations
- STATtrack American Statistical Association
- American Statistical Association
- Mathematical Association of America
- The National Council of Teachers of Mathematics
- Society for Industrial and Applied Mathematics
Physics

Summer Opportunities

- [California Alliance For Minority Participation (CAMP)](url), University of California Santa Cruz, Santa Cruz, CA
- [WAVE Fellows](url), Caltech, Pasadena, CA
- [Significant Opportunities in Atmospheric Research and Science (SOARS)](url), National Center for Atmospheric Research (NCAR), Boulder, CO
- [Carnegie Institution Geophysical Laboratory](url), Carnegie Institution of Washington, Washington, DC
- [Argonne National Laboratory](url), U.S. Department of Energy Office of Science, UChicago Argonne, Argonne, IL
- [Summer REU Program in Physics](url), Indiana University, Bloomington, IN
- [Summer Undergraduate Research Program](url), Lincoln Laboratory, MIT, MA
- [University of Nebraska-Lincoln Summer Research Program](url), University of Nebraska-Lincoln, NE
- [Lamont-Doherty Earth Observatory](url), Columbia University, NY
- [Undergraduate Research at University of Nevada](url), Reno, NV
- [Lunar and Planetary Institute Program](url), Lunar and Planetary Institute, Houston, TX
- [National Science Foundation (NSF) REUs](url)
- [RISE DAAD](url), (Research Internships in Science and Engineering): In Germany. Engineering, Biology, Chemistry, Physics, Earth Sciences
- [U.S. Army Research Laboratory (ARL)](url)

Helpful Resources

Associations

- [American Physical Society](url)
- [Society for Advancement of Chicanos and Native Americans in Science (SACNAS)](url), Santa Cruz, CA

General Information

- [American Institute of Physics](url)
- [NASA People](url)
- [Physicsworld.com](url)
- [National Science Foundation](url)

Job Listings

- [American Institute of Physics Career Page](url)
- [Brightrecruits.com](url)

Psychology

Summer Opportunities

- [APA Science Directorate: Summer Undergraduate Research Opportunity Grants](url)
- [Boston University Summer Term Psychology and Social Policy Track](url), Boston, MA
- [Boston University Undergraduate Summer Program in Neuroscience](url)
- [Colorado State University Summer Program on Mind and Brain (National Science Foundation Research Experience for Undergraduate Site)](url)
- [The Family Institute at Northwestern University Undergrad Summer Research Internship Program](url)
- The Johns Hopkins University Laboratory for Child Development Summer Internship Program
- National Institute of Neurological Disorders and Stroke (NIH) Summer Program in the Neurological Sciences and Other Neuroscience Research Training and Funding Opportunities
- New York University, Center for Motivated Perception Summer Internship Program
- New York University, Social Perception Action and Motivation Lab Summer Internship Program
- Undergraduate Psychology Summer Internship Program — Pace University, Counseling Center, New York City Campus
- University of Cincinnati: Research Experiences for Undergraduates in Complex Psychology Systems
- University of North Carolina, Karen M. Gil Internship Program in Psychology
- University of Virginia Educational Psychology and Applied Developmental Science Summer Undergraduate Research Program
- University of Wisconsin-Madison Psychology Research Experience Program (PREP)

Helpful Resources

Associations
- American Psychological Association
- American Psychiatric Association
- Association for Psychological Science
- Association for Psychological Science Student Caucus
- Association of Black Psychologists
- Cognitive Neuroscience Society
- Psi Chi
- Check out this full list of associations in the Social Psychology Network

Job Listings
- American Psychological Association Careers
- APA psycCareers Job Center
- Alley Dog
General Information Resources

**The Journal of Young Investigators: Extensive list of Undergraduate Summer Research Opportunities**
This list currently has 100+ undergraduate summer research internships available to college students, and internships are being added regularly. This list has stood out in the scientific community because there are opportunities in all fields of science and because it is constantly updated and maintained by the undergraduate staff at JYI.

**NSF Research Experiences for Undergraduates**
National Science Foundation's listing of undergraduate programs

**Science Classified Ads**
Information on science careers, including employer profiles, links, career fairs, advice, and the option of signing up to be notified of new job openings

**Summer Internships in Biology**
Internship programs in biomedical laboratory research, marine biology, ecological and environmental sciences, other biology, and for students of disadvantaged backgrounds or minorities

**Registry of Undergraduate Researchers and Graduate Schools**
A free service that facilitates match-making between undergraduates with research experience and a desire to pursue an advanced degree, and graduate schools or employers seeking high quality students who are well prepared for research.

**The Sloan Career Cornerstone Center**
For science, technology, engineering, mathematics, computing, and medicine career planning.

**Oak Ridge Institute for Science and Education (ORISE)**
Summer research opportunity listings.

**NewScientist Jobs**
Searchable database with hundreds of jobs in the sciences.

**Great Opportunities from the Rochester Institute of Technology Website**
- [Co-op/Internships and Summer Research opportunities for 2017 with Private Companies](#)
- [Co-op/Internships and Summer Research opportunities in Life Sciences](#)
- [Co-op/Internships and Summer Research Opportunities in Biomedical Research](#)
FAQs

Is it true that STEM is only for a select number of students interested in careers in math and science?

Not at all. While increasing the number of students who choose careers in STEM fields is certainly one objective driving STEM education, it is only part of the story. STEM education develops skills that have a much broader application. STEM emphasizes collaboration, communication, research, problem solving, critical thinking and creativity – skills that all students need to be successful in today’s world, regardless of specific interests or career goals.

STEM education also places a strong emphasis on personalizing educational experiences to best suit student’s individual learning styles and interests, which means STEM education has something to offer to every student.

I’m struggling to keep up with my science courses. Are there campus resources that can help?

Yes! We would recommend you first meet with your professor to let them know where you feel you are falling behind. They will have the best recommendations for where to seek help. There may also be a TA for the course that you can work with.

On campus there are also tutors available at the Center for Teaching, Learning & Research (CTLR):

- **Peer STEM Tutors** that work in the CTLR. They assist students in a wide range of math, science, social science, and related courses, including biology, chemistry, computer science, environmental science, economics, logic, mathematics, physics, psychology, and statistics. Some tutors run weekly drop-in sessions while others work with students in scheduled appointments.

- **STEM and Quantitative Skills Support**

I am interested in the joint engineering programs. What can you tell me?

We would first recommend reading about the Dual Degree Programs on the Engineering website. Middlebury currently has affiliations with three engineering programs:

- Thayer School of Engineering at Dartmouth: The dual-degree program with Dartmouth is a 2-1-1-1 program, meaning that students spend their junior year and a 5th year at Dartmouth. If you are wondering whether this program is for you, be sure to read the information about engineering options first. Read more here.

- Columbia University: The combined-plan program with Columbia University is a 3-2 program meaning that students study for 3 years at Middlebury (and complete most major and distribution requirements here), and then study for two years at Columbia. Students will receive a B.A. from Middlebury and a B.S. in an engineering discipline from Columbia. If you are wondering whether this program is for you, be sure to read the information about engineering options first. Read more here.

- Rensselaer Polytechnic Institute: The engineering program with Rensselaer Polytechnic Institute, Four-Year Affiliated College Program, is a 3-2 program meaning that students study for 3 years at
Middlebury (and complete major and distribution requirements here), and then study for two years at RPI.

At the end, the student receives two degrees: a B.A. from Middlebury, and a B.S. from the engineering school. Since students considering these programs will need to complete all the Middlebury distribution requirements and most of those for a major, plus pre-requisites for an engineering program, within three rather than four years, it is important to plan carefully starting from the first year at Middlebury. Daniel Scharstein, Professor of Computer Science and Pre-Engineering Advisor can be contacted via email here.