**SCIENCE POLICY ENGAGEMENT OPPORTUNITIES**

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| NATIONAL SCIENCE POLICY NETWORK (NSPN)  **We strongly encourage all BSP members to become NSPN members. You will receive regular e-mails about the many upcoming science policy engagement opportunities available to early-career scientists!** | |
| **Registration link** | <https://scipolnetwork.org/signup> |

1. Make sure you are marking down “East” as your regional hub.
2. For membership type, mark down “Early Career Scientist and Engineer”.
3. Registration fees are $25 per year

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| POLICY RESOURCES – GET INVOLVED IN NEW YORK STATE AND BEYOND  **Contact your local representative for more information on current policies or to voice your own concerns** | |
| **Local Representatives** | [Erie County Health Department Website](https://www2.erie.gov/health/)  [Erie County Environment & Planning Website](https://www2.erie.gov/environment/) |
| **NY State Representatives** | [NYS Health Department Contact Information](https://www.health.ny.gov/contact/)  [Find your senator to voice your concerns](https://www.nysenate.gov/find-my-senator)  [Contact the Department of Environmental Conservation](https://www.dec.ny.gov/about/259.html) |
| **Other** | [US Dept. of Health and Human Services Information](https://www.hhs.gov/)  [American Psychological Association: Who to Contact](https://www.apa.org/advocacy/guide/who-to-contact) |

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| UPCOMING FELLOWSHIP AND INTERNSHIP OPPORTUNITIES  **\*Discuss these opportunities with your PI before applying\*** | |
| [T**he Christine Mirzayan Science & Technology Policy Graduate Fellowship Program**](http://sites.nationalacademies.org/pga/policyfellows/) | A full-time hands-on training and educational program that provides early career individuals with the opportunity to spend 12 weeks at the National Academies of Sciences, Engineering, and Medicine in Washington, DC learning about science and technology policy and the role that scientists and engineers play in advising the nation. <https://mirzayanfellow.nas.edu/Default.asp> |
| **Health Policy Research Scholars** | Leadership program for 2nd year full-time doctoral students who are underrepresented in specific doctoral disciplines and/or historically marginalized backgrounds. Must have at least 3 years remaining for program. Activities include involvement in science policy trainings/coursework in health equity, the process of science policy, leadership, communication, etc.  APPLICATION DEADLINE: TDB (BUT OPENS IN JANUARY) <https://healthpolicyresearch-scholars.org/about-the-program/> |
| **American Institute of Biological Sciences (AIBS) Emerging Public Policy Leadership Award** | Provides graduate students the opportunity to participate in AIBSs Congressional Visits Day (more detail in link), along with policy and communication trainings and meetings with congressional policy makers:  APPLICATION DEADLINE: JANUARY 19, 2022  <https://www.aibs.org/assets/collections/news/aibs-eppla-guidelines.pdf> |

**SCIENCE POLICY COURSES - EdX**

There are a bunch of **free**​ **online courses in public policy, US policymaking, public health, health policy, and writing/communication skills** via edX!

Edx is a website that has a ton of online courses and programs listed that are provided by various colleges and almost all of them are **free and completely online with a "work at your own pace" style**. They are anywhere from **3-10 weeks long, with an estimated 2-5 hours/week commitment, depending on the course**.

There is an **option to upgrade to the "verified" track**, which means you would **pay to get a verified course certificate (that you can add to your LinkedIn). \*\***This usually also requires graded assignments and exams.

**All of these have FREE audit options**! **The price is for the** **certificate option**. Click on the course title to see more info & to register! Here are some examples of available courses:

**POLICY AND PUBLIC HEALTH BASICS**

* 🌟🌟[U.S. Public Policy: Social, Economic, and Foreign Policies](https://www.edx.org/course/us-public-policy-social-economic-and-foreign-polic)
  + **Public policy in America and dynamics of American politics**; religion & politics (ex: same-sex marriage, abortion); partisan divisions over regulatory policy (ex: climate change); welfare & income policy; fiscal & monetary policy (ex: post-2008 recession policies); foreign policy (ex: NAFTA)
  + Harvard University
  + ~4 weeks, 2-4hrs/week
  + $99
* 🌟[Citizen Politics in America: Public Opinion, Elections, Interest Groups, and the Media](https://www.edx.org/course/citizen-politics-in-america-public-opinion-electio)
  + theory/practice of polling; influence of news media; social movement successes and failures; differences in political parties; US election system compared to other democracies; public opinion & policymaker decisions; interest groups
  + Harvard University
  + ~4 weeks, 2-4hrs/week
  + $99
* 🌟[Global Public Health](https://www.edx.org/course/global-public-health)
  + **current & future trends in public health**; communicable & non-communicable diseases (ex: tobacco, cancer, CVD, mental health, maternal health, accidental injury, obesity); health systems; economics; health equity; politics of universal health coverage
  + SDG Academy (online education resource)
  + ~10 weeks, 4-6hrs/week
  + $49
* [United States Health Policy](https://www.edx.org/course/united-states-health-policy?index=product&queryID=9c83e9e19490769c402cc9602c29d8e3&position=15)
  + \*\*\*note this course is archived, but you can still view all course material by making an edX account
  + how the **US health care system** is organized, financed, and governed

**EQUALITY LAW**

* 🌟[COVID-19 and Global Inequalities](https://www.edx.org/course/covid-19-and-global-inequalities?index=product&queryID=f641627c96d1d88c48a41f043379fb6f&position=16)
  + "**global impact of the COVID-19 pandemic on members of disadvantaged communities through the lens of equality law**"; sources of inequality & groups of people to be discussed: **race, gender, domestic violence, LGBTQIA+, poverty, incarceration, migrants, age, people with disabilities**; impact on vaccine distribution; compare the impact  on inequality of the laws and policies that different legal systems adopted to address the pandemic
  + UC Berkeley
  + ~5 weeks, 3-5hrs/week
  + $99

**COMMUNICATION SKILLS**

* 🌟🌟[Tools for Academic Engagement in Public Policy](https://www.edx.org/course/tools-for-academic-engagement-in-public-policy)
  + **basics in policymaking and policy stakeholders**; how to identify policy stakeholders; skills to engage with policymakers; basics of the policy community (executive branch, congress, other policy stakeholders); **enhancing academic engagement in public policy**
  + MIT
  + ~3 weeks, 1-3hrs/week
  + $199
* 🌟[Stand up for Science: Practical Approaches to Discussing Science that Matters](https://www.edx.org/course/stand-up-for-science-practical-approaches-to-discu?index=product&queryID=533fde67887099b0d4cc93f0f4aec472&position=2)
  + \*\*\*note this course is archived, but you can still view all course material by making an edX account
  + importance of science communication; **how to bridge communication between public and researchers**; shape a message-focused STEM narrative for specific audiences; discuss important issues in science communication

**WRITING SKILLS:**

* 🌟🌟[Rhetoric: The Art of Persuasive Writing and Public Speaking](https://www.edx.org/course/rhetoric-art-of-persuasive-writing-public-speaking)
  + **how to apply rhetorical devices in writing/speaking**; argument vs rhetorical technique; evaluating the strength of an argument; **identifying logical fallacies** in arguments
  + Hardvard University
  + ~8 weeks, 2-3hrs/week
  + $139

**DATA ANALYSIS & POLICY MAKING**

* [Data for Effective Policy Making](https://www.edx.org/course/data-for-effective-policy-making)
  + **how to use data analysis to propose solutions to public policy problems**; how to explain the assessment of a policy; how to use data to carry out policy planning; how to develop visualizations of data using "real" data
  + IDB (Inter-American Development Bank)
  + ~10 weeks, 3-4hrs/week
  + $25

**SPECIAL INTERESTS**

* [Bioethics: The Law, Medicine, and Ethics of Reproductive Technologies and Genetics](https://www.edx.org/course/bioethics-the-law-medicine-and-ethics-of-reproduct)
  + **laws & ethics** of surrogacy/sperm donation/human enhancement; **civil lawsuits** in wrongful birth/life; **ownership** of human tissue & genetic information
  + Hardvard University
  + ~10 weeks, 1-2hrs/week
  + $149
* [Cannabis Compliance, Testing, and Research](https://www.edx.org/course/cannabis-compliance-testing-and-research)
  + testing regulations (potency, salmonella, heavy metals, etc.); **rules/regulations of the cannabis industry**; research and development
  + Doane University
  + ~3 weeks, 5-10hrs/week
  + $179
* [Climate Change Science and Negotiations](https://www.edx.org/course/climate-change-science-and-negotiations)
  + climate change/emissions/energy balance basics; 2-degree limit; **global negotiations & its limitations/challenges**
  + SDG Academuy
  + ~10 weeks, 2-4hrs/week
  + $49
* [Prescription Drug Regulation, Cost, and Access: Current Controversies in Context](https://www.edx.org/course/prescription-drug-regulation-cost-and-access-curre)
  + **overview/history of FDA**; drug development/approval; drug pricing; marketing; new medical technologies; **debates in FDA regulation** (ex: "right to try," dietary supplements, classifications of prescription drugs)
  + Harvard University
  + ~8 weeks, 2-4hrs/week
  + $199
* [Energy Within Environmental Constraints](https://www.edx.org/course/energy-within-environmental-constraints?index=product&queryID=a29eb5b8aa224584459a7d64aeb9046e&position=21)
  + **engineering/environmental science/economics of our energy systems**; energy technologies; impact of energy systems on air pollution/climate change/land use; demand reduction & efficiency
  + Harvard University
  + ~10 weeks, 3-5hrs/week
  + $139
* [The Science and Politics of the GMO](https://www.edx.org/course/the-science-and-politics-of-the-gmo?index=product&queryID=588a1ae1ee838dc57ee1d8a08e5dba3e&position=6)
  + \*\*\*note this course is archived, but you can still view all course material by making an edX account

**Pros/Cons of GMOs**; contributions/limitations of science; **politics & society**