

Resource Needs

Faculty: As a new program, we would propose at least two new faculty hires. One should be at the senior level and hired to teach core courses in the program, supervise students, and serve as the program director. A second hire could supplement the core instruction and supervision of students.

Courses: One new course is the proposed 0-cr Engineering and Public Policy seminar. CEE and SPPA would assign faculty to deliver the seminar in each cohort's first semester. The seminar would be open to other graduate students and would also serve as a recruiting tool. A second new course is the proposed 3-cr Case Studies in Engineering and Public Policy seminar, to be jointly delivered in the fall of the cohort's second year. Additional area courses are already taught by CEE, SPPA and other university units as illustrated by the list of elective options. Some additional courses in these areas will be developed by CEE, SPPA and other faculty as appropriate to overall needs of all doctoral programs.

Administrative Support: The program will require administrative assistance with graduate student recruitment, stipend contracts and tuition funding, course registration, key deposit and distribution, and seating assignments. A graduate academic advisor also assists students in completing all requirements to earn a graduate degree. Ideally the graduate academic advisor could assist with marketing, queries and social media. Initially additional responsibilities may be assigned to the graduate coordinator in Civil and Environmental Engineering but as the program grows, along with other anticipated growth in Civil and Environmental Engineering, additional administrative support is required.

Space: A quality program requires students to develop professional relationships with faculty and their peers. Each student should be assigned office space in close proximity to one or more of their academic advisors and with their peers. Space will also be required for the additional faculty and graduate academic advisor.

Funding: Doctoral Student Funding, in the form of research and teaching assistantships will be required plus summer stipends for field experience. An overview of possible ramp-up of student funding is provided below show potential sources of student support.

Source of Support	2020	2021	2022	2023	2024	2025
TA	1	1	2	3	3	3
RA	4	8	10	12	12	12
Grad office	1	1	2	2	2	2
Fulbright	1	1	2	2	2	2
External Grants	1	1	1	2	2	2
Biden Fellows	2	3	3	3	3	3
Total	10	15	20	24	24	24

Faculty

The following faculty have committed to participate in the supervision and support of students in this program.

Department of Civil and Environmental Engineering: Nii Attoh-Okine, Michael Chajes, Rachel Davidson, Arde Faghri, Rusty Lee, Sue McNeil, Mark Nejad, Edgar Small, Allan Zarembski. As the program expands to include environmental policy, Yo Chin, Julie Maresca and Paul Imhoff are also interested.

School of Public Policy and Administration: Maria Aristigueta, Philip Barnes, Greg Dobler, Jerry Kauffman, James Kendra, Jerome Lewis, Daniel Rich, Andrea Sarzynski, Kalim Shah, Joseph Trainor

Faculty from other University Units: Saleem Ali, John Byrne, James Corbett, Willett Kempton, Joshua Duke, John Madsen, Dana Veron, Kent Messer, Ismat Shah [Ali, Byrne and Shah have joint appointments in SPPA effective fall 2017]

While students will work primarily with faculty from the two sponsoring departments, doctoral students are encouraged to engage with faculty from other units who will provide academic and research guidance in their areas of concentration.