

## SEAS Advanced Graduate Leadership Program

### PROGRAM OVERVIEW

The SEAS Advanced Graduate Leadership Program is designed to provide experiences and training beyond the research lab to better prepare doctoral students for a wide variety of career opportunities. Fellows have access to educational opportunities and internal internships in four career tracks: academia, business & industry, and policy & public service.

Advanced Graduate Leadership Program Fellows have access to the following:

- Leadership Development Curriculum (26 one-hour seminars, followed by experiential learning, reflections and mentoring on each topic area).
- Leadership Program opportunity/internship (accessible upon completion of 12 Leadership Development seminars)
- Up to \$3,000 for career development such as conferences, career fairs, additional training opportunities, leadership or career coaching (accessible upon completion of 24 Leadership Development seminars)

Fellows are expected to participate in all aspects of the program.

The Leadership Development Curriculum consists of 26 monthly seminars (first MON of the month from 12:00-1:00) on leadership competencies and emotional intelligence topics. A half-hour preview meeting is held on the third MON of the month from 12:00-12:30 to prepare each Fellow for the monthly practicum on observing/implementing the presented topics within their work and home environments. A follow-up meeting is held to review the experiential learning process. Meetings are held on-line, with the expectation that each Fellow attend 75% of the meetings synchronously (with the videos archived for later viewing). The time demands for this segment of the program are 2.5 hours per month.

Fellows who meet the Leadership Development Curriculum participation requirements for the first 12 months of the program can advance to their internal internship starting in the Fall of 2022. During this single-semester internal internship, the time demands for this segment of the program are 10 hours per week.

Fellows who have completed their internal internship and have continued to meet the Leadership Development Curriculum participation requirements have access to their professional development funds.

Acceptance into the SEAS Advanced Graduate Leadership Program is competitive. Applicants must be enrolled in the doctoral program in the Yale School of Engineering & Applied Science

and have successfully completed their first year of doctoral study. Selection is based on academic performance, a letter of recommendation, and your ability to express a clear and compelling interest in the program. Participation cannot impact progress toward existing research and academic commitments.

**Information Session:** An information session has been scheduled for Monday May 10, 2021 online (Zoom 768-922-8244) from 12:00-1:00.

**Application Process:** Applications must be submitted by May 28, 2021 to Vincent Wilczynski, via email ([vincent.wilczynski@yale.edu](mailto:vincent.wilczynski@yale.edu)) and Deirdre Eichner ([deirdre.eichner@yale.edu](mailto:deirdre.eichner@yale.edu)).

**Application Requirement:** All applicants must have [reviewed the first seminar and practiced the leadership competency “Accountability and Responsibility”](#) in their work and home environments as a component of the application. Applicants can use the archived material on this topic to observe Accountability and Responsibility practices in their work and home environments. Reflections on this topic are required on the application. This requirement ensures that each applicant understands the Leadership Development Curriculum participation components.

**Application:** Please use the template **AGLP 2020-2201 APPLICATION FORM** (included in this document) to create your application.

**Application Acceptance Timeline:** Applicants will be notified of their status by June 11, 2021 and join the program on July 1, 2021.

**New Fellow Responsibilities:** New Fellows will join the Leadership Development seminar, practicum, reflection and mentorship series in July 2021. New Fellows must complete the seminars and experiences associated with the topics of Emotional Intelligence Overview, Aligning Values, Managing Emotions, and Followership before September 15, 2021.

## DESCRIPTION OF INTERNAL INTERNSHIP OPPORTUNITIES

Students may choose opportunities from the list below. All internal internships are unpaid, and a modest budget is available for approved activities.

**ACADEMIC OPPORTUNITIES** focus on the competencies and experiences that form the basis for becoming a successful professor and researcher. Fellows will benefit from internship and educational opportunities that allow them to hone skills in teaching, research, and outreach.

Students selected to the Leadership Program will work with the program coordinator to establish a portfolio of experiences that could include participation in any of the following activities.

### 1. *New Experiments*

Supports the development of new experiments and laboratory techniques used to further academic career development (not part of the student's dissertation research).

### 2. *Professional Mentorship*

Supports the development of professional expertise through teaching mentorship and grant-writing assistance and proposal review for new research (not part of dissertation). Fellows may be paired with one of Yale's leading engineering professors for one-on-one mentorship, in addition, they may participate in grant writing clinics and other relevant courses on campus, including those offered through the Poorvu Center for Teaching and Learning.

### 3. *Communications*

Supports an internship with the Yale Office of Public Affairs and Communication (OPAC) to gain experience writing press releases on current research, developing stories and graphic illustrations of research, and working with faculty and students to produce webcasts and short videos on their work for SEAS/OPAC websites.

**POLICY & PUBLIC SERVICE OPPORTUNITIES** are designed for students interested in policy, law, and/or careers in science education and outreach. Fellows will benefit from internship opportunities at Yale where they may apply their science and engineering education to develop policies and create programs that will benefit society at large.

### 1. *Policy and Government Relations*

Consists of a one-semester internship in the Office of Federal Relations at Yale. The Fellow will be assigned an issue to become involved with. This assignment includes closely following legislation and related debate; keeping the office informed of key events, such as hearings, markups and votes; as well as identifying opportunities for Yale faculty or staff to testify. The Fellow will help brief various offices within Yale and participate in internal discussions about implementation of new federal rules, when appropriate. The position could include visits to Washington, D.C. for relevant hearings,

meetings, and/or conferences. Candidates must demonstrate excellent writing and communication skills.

## **2. *K-12 Outreach***

Consists of a one-semester internship with the Yale Office of New Haven and State Affairs (ONHSA). Fellows will gain an understanding of K-12 science education and ways in which universities can make resources available to local teachers and students. To gain experience, Fellows will volunteer in an existing outreach program of interest, observe in K-12 classrooms and contribute to ONHSA's Science Pathways program. Pathways is a University-wide outreach initiative, which actively supports students in a sustained manner from middle school through high school and beyond. This fellowship offers students the opportunity to develop as scientists and educators, an increasingly vital component of successful academic careers.

***BUSINESS & INDUSTRY OPPORTUNITIES*** focus on management, entrepreneurship, and experiences that provide a practical application of the fellow's engineering education and training to gain an understanding of the business processes related to product development. Fellows will participate in a Yale internship or a four-semester course sequence offered by the Yale School of Management.

### **1. *Technology Ventures***

Consists of a one-semester internship with the Yale Office of Cooperative Research (OCR), where fellows will gain opportunities to shape how Yale inventions are translated into commercial products and services by entrepreneurs and venture capital firms. As new venture analysts, Fellows will directly participate in the development of strategies for new ventures based on competitive market analysis and intellectual property position, the building of management teams, and alternative funding and business models. Fellows will attend and participate in a wide array of business meetings with Yale faculty, corporations, and venture capitalists, as well OCR staff meetings, where they will have opportunities to present and discuss their work with the OCR licensing team.

### **2. *Student Ventures***

Consists of a one-semester appointment at the Tsai Center for Innovative Thinking at Yale. The Fellow will help the Tsai CITY staff assess and implement a wide range of student innovations, as well as to work alongside founders of existing Yale student ventures, contributing to the development of a range of products and services. The Fellow may also be expected to contribute to a student venture's understanding of market competitors, their specific technology platforms, and to provide an analysis of relevant intellectual property. The Fellow will allocate time between a handful of specially selected ventures, actively participating in a wide array of meetings with Tsai CITY staff, venture team members, early stage investors, and outside mentors.

**3. *School of Management***

Consists of a four-semester of courses, selected by the Fellow and subject to availability, in the Yale School of Management.

**AGLP 2020-2021 APPLICATION**

**DUE MAY 28, 2021**

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Department or Program: \_\_\_\_\_

Faculty Advisor: \_\_\_\_\_

Area of Research: \_\_\_\_\_

Years in Program: \_\_\_\_\_ (must have successfully completed first year of doctoral study)

Anticipated Graduation Date (semester/year): \_\_\_\_\_

**Area of Interest:** Please place a check mark next to the opportunity you desire to pursue. If applying for more than one opportunity, please rank your selections.

(X)	TRACK	OPPORTUNITY
<input type="checkbox"/>	Academia	<i>New Experiments</i>
<input type="checkbox"/>	Academia	<i>Professional Mentorship</i>
<input type="checkbox"/>	Academia	<i>Communications</i>
<input type="checkbox"/>	Policy & Public Service	<i>Policy and Government Relations</i>
<input type="checkbox"/>	Policy & Public Service	<i>K-12 Outreach</i>
<input type="checkbox"/>	Business & Industry	<i>Technology Ventures</i>
<input type="checkbox"/>	Business & Industry	<i>Student Ventures</i>
<input type="checkbox"/>	Business & Industry	<i>Yale School of Management</i>

**Essay:** In no more than 750 words, please explain why you have chosen this opportunity, what your career aspirations are, and how you think this program will help better prepare you for your career.

**Leadership Development Curriculum Reflection:** Applicants must complete the seminar and practicum activities associated with the first Leadership Competency Accountability and Responsibility. In no more than 750 words, please reflect on elements of Accountability and Responsibility observed in your work and home environments.

**Summary of Research Progress:** Please discuss your application with your faculty advisor, including any impact that participation in the SEAS Advanced Graduate Leadership Program might have on fulfilling degree requirements and expectations. In no more than 250 words, summarize that discussion in your application.

**CV:** Please submit your CV (with only your 5 favorite publications).

**Letter of Recommendation:** Please provide a letter from your faculty advisor as either as an attached document or within the body of the message to [Vincent.Wilczynski@Yale.edu](mailto:Vincent.Wilczynski@Yale.edu).

**Signature of Understanding:** All SEAS Advanced Graduate Leadership Program Fellows must remain in good academic standing and maintain acceptable progress toward their degree for the duration of their participation in this program. I understand that I must remain in good academic standing and maintain acceptable progress toward a degree through the duration of my participation in this program and that participation should impact progress toward existing research and academic commitments. If granted the opportunity to participate in this program, I agree to regularly discuss my progress toward a degree with my faculty advisor and complete all requested progress reports.

---

Applicant signature

Date