

# Engineering Faculty Positions at Harvey Mudd College

Harvey Mudd College invites applications for multiple open field tenure-track faculty positions in our General Engineering program. The Department of Engineering seeks a cohort of new colleagues with experience and knowledge in applications of engineering who can excel in teaching a broadly-based undergraduate curriculum focused on design, signals and systems, and engineering science. Candidates working at the interfaces of engineering disciplines who can help students to make connections across fields are especially encouraged to apply. Applicants must have a demonstrated commitment to teaching excellence, professional growth, and promoting equity and inclusion among diverse students and colleagues. A Ph.D. or equivalent (terminal) degree in engineering or a closely related field is required. Industrial or other practical experience in the field is valued. We especially seek candidates from the fields of biomedical engineering, robotics/autonomy, and electrical engineering. The appointments are anticipated to be at the assistant or associate professor level.

Teaching opportunities include the department's required courses in engineering sciences, participation on teaching teams in the design and systems engineering sequences, supervising sponsored projects in the Engineering Clinic program, and developing courses in the applicant's area of specialty. All faculty at Harvey Mudd College contribute to the college's Core Curriculum, which includes courses from each department, a first-year course in writing, and a course centered on the relationship between science and society. Candidates should provide evidence of excellence in teaching and their ability to increase students' general and multidisciplinary engineering skills.

Harvey Mudd is a highly selective undergraduate liberal arts college emphasizing science, mathematics, and engineering. Many forms of professional engagement are celebrated at the college including consulting and academic publishing in a wide variety of fields. Candidates should discuss how the Harvey Mudd environment would provide opportunities for professional growth in research, consulting, or other forms of scholarship, and how undergraduate students might be engaged in these activities. Among the criteria for appointment is a commitment to equitable and inclusive teaching and mentoring of all students. Candidates from groups traditionally underrepresented in engineering are encouraged to apply.

We will review applications in two stages, with the first round using only anonymous application materials. We ask you to submit an anonymized cover letter to mitigate unconscious biases that might compromise a fair assessment of the strengths of your application. Please submit all of the materials below, and the non-anonymous documents will be separated before the first anonymous review stage. Submit anonymized: A 2-3 page cover letter. Your letter should address 1) your interest in undergraduate education and Harvey Mudd College in particular, 2) your teaching experience and strengths, 3) how your research/professional background will contribute to the education of our students, 4) how you will develop professionally at Harvey Mudd, and 5) your experiences and future plans for promoting equity and inclusion at Harvey Mudd. Only this letter will be used in the initial screening process. Note that "anonymized" does not mean that the applicant in any way obscures the specific engineering content of their work and plans. However, omission of names of people (your own and colleagues'), institutions, and journals will permit fair assessment of your potential strengths as a faculty member at Harvey Mudd. Do not use institutional letterhead. See an example\* below of anonymized letter content.

Submit non-anonymized, for second stage review:

- Curriculum vitae
- Teaching statement: describe principles, practices, and experiences that inform the way you teach and the contributions you would make to the department's curriculum (including existing course offerings and new courses you would develop) (typically 2-3 pages).
- Professional growth/research statement: describe your intended research program/professional growth plans, including how you would implement your plans at an undergraduate institution (typically 2-3 pages).
- Diversity, equity, and inclusion statement: describe your interests, experiences, and future plans for promoting equity and inclusion in your teaching, mentoring, and in your work as a scholar (typically 2-3 pages).
- The names of at least three individuals who can provide letters of recommendation, including at least one letter writer who can specifically address teaching if possible. Letters will be requested by the search committee at the time that candidates are selected for phone interviews.
- Optionally, any additional materials candidates wish to share that demonstrate teaching effectiveness, limited to 5 pages.

Example statements

- Traditional, non-anonymized: "As a graduate student at University of X, I was a teaching assistant and lab instructor for Prof. Y's "Principles of Robot Autonomy" course where I [did impressive things]. For my Ph.D. research, I designed and built a new system that can [do something awesome] and is being further studied by Z Company. Reference: A. Colleague, B. Myself and C. Advisor, "Article title", Journal name, 2021.
- Anonymized: "As a graduate student, I was a teaching assistant and lab instructor for my department's junior level "Principles of Robot Autonomy" course where I [did impressive things]. For my Ph.D. research, I designed and built a new system that can [do something awesome] and is being further studied by an industry partner. Reference: Applicant et al. (#2 of 3 authors), "Article title", 2021.

Harvey Mudd College is an Affirmative Action/Equal Opportunity Employer. Qualified applicants will be given consideration for employment without regard to race, color, religion, national origin, ethnic origin, ancestry, citizenship, sex (including pregnancy, childbirth, or related medical conditions), sexual orientation, gender (including gender identity and expression), marital status, age, physical or mental disability, medical condition, genetic characteristics, veteran status, or any other characteristic protected by applicable law.

The committee will begin to review applications on October 10, 2022. Any questions may be sent to: [eng-search-2022-L@g.hmc.edu](mailto:eng-search-2022-L@g.hmc.edu).

Apply at: <https://academicjobsonline.org/ajo/jobs/22401>.