

PhD Positions at The Hong Kong Polytechnic University

About PolyU and the Department:

- The Hong Kong Polytechnic University (PolyU) is ranked 54th in the QS World University Rankings 2026.
- Recruitment is through the Department of Mechanical Engineering.

About the Research Group:

- We study the performance and mechanisms of flexible and bulk thermoelectric materials, and design/fabricate multimodal flexible sensors.
- Our work has been published in *Science*, *Advanced Materials*, *Energy & Environmental Science*, *Joule*, and other leading journals.

Eligibility:

- Background in materials science, physics, chemistry, engineering, or related fields.
- Strong independent thinking; proactive, motivated, and committed to continuous learning.
- Solid foundation in math, physics, and chemistry; basic programming skills; strong written communication in English.
- Bachelor's degree from a Double First-Class university in China or a QS top-200 university; GPA $\geq 3.6/4$. Requirements may be relaxed for applicants with publications.
- English proficiency meeting university standards: TOEFL ≥ 80 or IELTS ≥ 6.5 , or proof of prior full English-medium instruction.

Research Areas (including but not limited to):

- 3D printing of high-performance bulk thermoelectric materials and devices (power generation and cooling).
- Flexible thermoelectric materials and devices (conductive polymers and inorganic materials).
- Wearable multimodal sensors (e.g., temperature, pressure, tactile).

Funding:

- Fully funded studentship: monthly stipend $\geq$ HKD 19,000 (1-2 positions).
- Strong candidates are encouraged to apply for the Hong Kong PhD Fellowship Scheme (HKPFS) or PolyU Research Postgraduate Scholarship (PRPgS), with monthly stipends $\geq$ HKD 28,000.

Application Timeline and Process:

- Applications are accepted year-round for 2026/2027 entry.
- To apply, combine your CV (including education history and a brief summary of this year's research) and transcripts into a single PDF. If you hold a master's degree, include both bachelor's and master's transcripts.
- Email subject format: "PhD Application – Your Name – Bachelor's Institution – Master's Institution"
- Send to: shengduo.xu@polyu.edu.hk

We have sufficient funding, first-rate facilities, and a supportive environment. Outstanding candidates worldwide are warmly invited to apply. If you plan to apply for scholarships (HKPFS/PRPgS), please contact the supervisor early.