

BYLAWS of
the
Missouri University of Science & Technology (Missouri S&T)
Linda and Bipin Doshi Department of Chemical and Biochemical
Engineering
Industrial Advisory Council

1) Name

The organization shall be known as the Industrial Advisory Council to the Linda and Bipin Doshi Department of Chemical and Biochemical Engineering (ChBE) at Missouri S&T, or IAC.

2) Purpose

The IAC provides the ChBE chair, the faculty, staff, and students with the benefit of the members' collective expertise, experience, and wisdom gained during their professional careers. The activities of the IAC will be supportive of and in alignment with the ChBE Mission Statement, the ChBE Vision Statement, and the ChBE Strategic and Implementation Plans.

- a. Provide advice, guidance, and counsel at the call and direction of ChBE chair, and if requested, the Dean of the College of Engineering and Computing and other key university administration and stakeholders.
- b. Supplement and expand ChBE students' understanding of the fields of chemical and biochemical engineering through professional and personal example.
- c. Partner with the department by supporting key programs and initiatives.
- d. Provide the perspective of professionals who have an in-depth understanding of the emerging needs of the profession and who represent stakeholders who employ Missouri S&T graduates.
- e. Collaborate with the Academy of Chemical and Biochemical Engineers and other university stakeholders of the Doshi Department of ChBE (such as ChBE alumni serving as Trustees on the Missouri S&T Board of Trustees) to maximize benefit to the department and prevent overlapping support.

3) Department Mission

The Linda and Bipin Doshi Department of Chemical and Biochemical Engineering will prepare chemical, biochemical, biomedical, and bio engineers for successful careers as leaders and innovators in their field while:

- Expand the engineering knowledge base through experiential learning and scholarly pursuits
- Developing technology to serve societal needs
- And benefiting the public welfare through service to the profession.

4) Department Vision

The Department's vision is to be a leading program recognized for sustained excellence in education, research, and innovation with strong global engagement in chemical engineering.

5) Membership

- a. The IAC shall consist of the ChBE Chair, the IAC Chair and 10-12 members, or as mutually agreed by the chairs. It must be acknowledged that the IAC is made up of volunteers, who donate their valuable time, counsel, and support to the department for its benefit.
- b. Members shall have qualifications that allow them to understand the following aspects of their respective industries: 1) the current and future academic and research needs; 2) emerging engineering trends and requirements; 3) profile, skillset and capabilities of graduates, as suitable and sought-after candidates for employment in ChBE disciplines.
- c. Members shall represent a wide diversity of industries, such as oil/gas/energy, petrochemicals, specialty chemicals, agriculture, biotechnology, pharma, renewable energy, food and consumer products, advanced materials.
- d. Members shall represent a wide diversity of functions, such as design engineering, manufacturing engineering, consulting, construction, sales/marketing, business leadership, business development/M&A, higher education. It is desirable that at least one member is a faculty member for an accredited ChE, BChe or related academic program.
- e. Members can be alumni of Missouri S&T Doshi Department of ChBE, however, it is not a requirement, or they shall otherwise have a demonstrated interest in the department. A minimum of 10 years of professional experience is required to be on the IAC. One member should be a relatively recent graduate, 3-5 years post bachelors degree, to provide a more recent perspective on readiness of recent graduates for a professional career.

- f. Potential members may be nominated by current council members, the chair of the IAC, the department chair, or by faculty. Approval is required by both the IAC chair and the department chair, and potential members are invited by the department chair to serve.
- g. Member term is for four years and may be extended by one year maximum by mutual agreement of the member, IAC chair, and department chair.
- h. Newly appointed members shall begin their term of appointment at the beginning of the calendar year.
- i. Member terms shall be "staggered", such that 2-3 newly appointed members begin their term each year.

6) Roles and Responsibilities

- a. Attend IAC meetings and other university sponsored events, at the request of the ChBE chair, and to the extent possible.
- b. Provide advice and counsel regarding key issues and topics as they arise.
- c. Identify educational, research, and special opportunities to advance the mission of the department.
- d. Serve on any ad hoc committees or subgroups deemed necessary by the IAC and department chairs to support programs or initiatives of the department.
- e. Serve as professional mentors to students and faculty.

7) Meetings

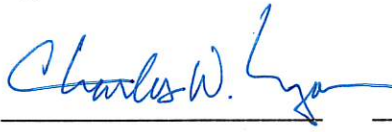
- a. The IAC shall meet a minimum of once in the Fall semester and once in the Spring semester of each academic year. The department chair may request additional meetings at their discretion.
- b. Meetings shall be via teleconference or videoconference, with the exception of the last meeting of the Fall semester, which will be an on-campus, in-person extended meeting, if conditions allow.
- c. Dates of meetings shall be set such that >50% of the IAC membership can be in attendance.
- d. Agendas of meetings shall be jointly developed and approved by the chairs of IAC and the department, with distribution to the membership at least 1 week in advance of the scheduled meeting date.
- e. Minutes of each meeting shall be recorded by a department administrative assistant, reviewed/edited for content by the IAC chair, and reviewed/approved by the department chair before distribution to the IAC membership.

8) Approval of By-Laws

- a. By-laws will be an understanding and agreement between the IAC and the department.

- b. By-laws will be reviewed and approved by the department chair (after review and request for input by the faculty) and the IAC membership (after a review and discussion among members).
- c. Amendments to the by-laws may be incorporated after review and approval by the IAC membership, the IAC chair, and the department chair.
- d. A review of these by-laws shall be conducted once every 5 years, and the effective date updated to reflect the review and incorporation of any approved amendments.

Signed:

 3/11/25

Charles W. Lyon, Chairman Date
Industrial Advisory Council



March 11, 2025

Dr. Hu Yang, Chairman Date
Doshi Department of Chemical and Biochemical Engineering

Revision History:

By-Laws Adopted on:

Adopted Amendments:

Reviewed: