

## Laboratory Instructor & Chemical Hygiene Specialist

Lyman Briggs College (LBC) at Michigan State University (MSU) invites applications for a Laboratory Instructor & Chemical Hygiene Specialist position in the Academic Specialist Continuing Appointment System. This is an academic (9-month) position that begins August 16, 2017. Academic specialists start with a three-year probationary appointment that has the potential, after successful reappointment, to become a long-term position.

The successful candidate will provide chemistry laboratory instruction four evenings per week (Monday-Thursday, 7:00-10:00pm) throughout the academic year and collaborate with other LBC Chemistry faculty to design and implement course/curriculum related content to ensure industry-standard safety practices are followed in the laboratories. LBC offers the general chemistry sequence consisting of General Chemistry I and II and associated labs (LB 171L and LB 172L) and also the related course Introduction to Quantitative and Integrative Reasoning (LB155). The Laboratory Instructor & Chemical Hygiene Specialist will serve as the in-house expert in chemical hygiene, risk management, and general safety to ensure best practices and compliance in the labs. This person will also be responsible for providing health and safety expertise for the development of new laboratory experiments for general chemistry courses, teaching an annual lab safety course for undergraduate learning assistants (UGLAs), working with graduate teaching assistants and UGLAs in preparation of materials for labs and demonstrations, leading the lab classroom setup/takedown at the beginning/end of each semester, and processing chemical waste for proper disposal in conjunction with MSU regulations. Other duties will include training and supervising undergraduate learning assistants and graduate teaching assistants, regular lab facility monitoring and staying informed on current safety standards and protocols.

Founded in 1967, LBC (<http://lbc.msu.edu/>) is a vibrant residential college comprised of 2000 students and 70 faculty and staff that focuses on the study of science and its social contexts. Bridging the two cultures of the sciences and the humanities, the LBC curriculum integrates natural sciences and mathematics courses with courses in the history, philosophy, and sociology of science (science studies). LBC students select from 41 major options within their Bachelor of Science Degree Program. Nearly all of the students in LBC major in the sciences; 60% are women; 25% are students of color; also, 25% of all LBC students belong to MSU's Honors College. We welcome applications from strong candidates who can enhance and complement the intellectual and cultural diversity of the LBC faculty and staff.

Academic Specialists in LBC teach courses over the two-semester academic year. They also will be expected to contribute professional service to the college, including membership on LBC committees. For details see the MSU Faculty Handbook ([http://www.hr.msu.edu/documents/facacadhandbooks/academicspecialist/ASH\\_AppendixA.htm](http://www.hr.msu.edu/documents/facacadhandbooks/academicspecialist/ASH_AppendixA.htm)). Reappointment and continuing appointment decisions are based on performance reviews that include peer and student teaching evaluations.

### Required Qualifications

Master's degree in chemistry or related field required with experience in laboratory teaching and course/curriculum development, and expertise in chemical hygiene and safety. Must have successful record of accomplishment working with science laboratory organization, operation, and safety. Knowledge and understanding of applicable federal, state, and local environmental health and safety regulations and procedures that apply to the chemical hygiene industry. Demonstrated ability to work as part of a team in a collaborative setting.

### Desired Qualifications

Experience working with college age students; strong ability to interact positively with diverse faculty, staff and students on a daily basis; ability to make recommendations to effectively resolve problems or issues using effective and appropriate judgment; and a rigorous dedication to organization and detail that is required to sustain an effective safety program.

This position is listed on the MSU Applicant Page, posting # **5172**. Applications must be uploaded to MSU's online job application site (<https://jobs.msu.edu>), and must include a letter of application, current cv/resume, teaching portfolio and documentation indicating experience with chemical hygiene expertise and risk management. For details on teaching portfolios see [www.lymanbriggs.msu.edu/faculty/openPositions.cfm](http://www.lymanbriggs.msu.edu/faculty/openPositions.cfm). In addition, three letters of recommendation addressing the candidate's teaching experience and expertise must be sent electronically by the recommenders through the application system.

Review of applications will begin on Monday, April 3, 2017 and continue until the position closes on Monday, April 17. Questions regarding this position may be directed to Dr. Robert LaDuca, Professor of Chemistry, Associate Dean of Lyman Briggs College at [laduca@msu.edu](mailto:laduca@msu.edu).

LBC cultivates a vibrant, multi-disciplinary community that is diverse along many dimensions, including race and ethnicity; gender, sexual orientation, and gender identity and expression; ability status; and creed or ideology.

MSU is an affirmative-action, equal-opportunity employer. MSU is committed to achieving excellence through a diverse workforce and inclusive culture that encourages all people to reach their full potential. The University actively encourages applications and/or nominations of women, persons of color, veterans, and persons with disabilities.