STEM Learning Assistant Program
Fall 2022

Love STEM? (Science, Technology, Engineering, and/or Math)
Love helping other students and being a peer-model for student success?
Ever think of being a teacher?

The LA Program has opportunities for students to provide assistance, mini-lessons, study sessions, and other learning support in classrooms and laboratories to enhance student engagement and interaction in a variety of courses across STEM at Montgomery College. You will be paired one-on-one with a faculty mentor to assist in a STEM course throughout the semester.

- Learning Assistants receive a stipend **($1,700**) for the semester.
- Semester appointments have an **eight hour per week** commitment. This includes six hours of weekly assistance with students in and outside of class plus two hours of weekly pedagogy training with associated assignments and meetings.
- Each LA position may feature a combination of in-person and remote support. Location details of each LA responsibility will be agreed-upon with LA Faculty Mentors before the semester begins. Safety guidelines and vaccine mandates will be followed by all student employees as dictated by the college.
- LA Pedagogy Training sessions will begin three weeks before the semester begins and continue **weekly** throughout the semester. The sessions will be offered on **Thursday evenings from 7:00-8:30pm** with repeat on **Friday afternoons from 2:00-3:30pm**. You **MUST** be available for ONE of these sessions each week. Attendance is mandatory. The LA Pedagogy Training will be in structured remote format via Zoom using a computer and active webcam.
- Applications are reviewed by the program director and faculty mentors. Selected candidates are interviewed before final selections are made.

If you are interested in this opportunity or would like more information, please go to www.montgomerycollege.edu/LAProgram for more details where you can download the application, see available courses, and watch a video of LAs in action.

For further information, contact Dr. Carolyn Schick, Learning Assistant Program Director at Carolyn.Schick@montgomerycollege.edu

Program requirements:

- You must have completed at least one semester at Montgomery College before serving as a Learning Assistant.
- You must be enrolled in at least six credits during the semester you wish to be a Learning Assistant.
- You cannot be a Learning Assistant for a professor and take another class from that same professor during the same semester.
- You must have internet access and a computer with camera capability for all Fall 2022 LA positions.
- Highly recommended: GPA greater than 3.0

Fall 2022 LA Courses

updated May 4, 2022

Course	Prerequisites by end of Spring 2022	Duties	Required attendance plus additional times as assigned
BIOL 150 – 01 Principles of Biology I Germantown	Completion of BIOL 150 with 'A' or 'B' within the last year.	Guide and assist students with discussions and activities in the laboratory and occasionally in the lecture; lead study and review sessions; present mini-lectures in class.	A: MW 9:00-10:15am and M 10:30am-1:10pm (in-person GT) ***or*** B: TR 11:30am-12:45pm and T 1:00-3:40pm (in-person GT)
BIOL 150 – 02 Principles of Biology I Rockville	Completion of BIOL 150 with 'A' or 'B'.	Guide and assist students with lecture and lab activities; give mini-lectures in lab; provide support to students in lab and study sessions.	MW 8:00-9:15am and M 9:30am-12:00pm (in person RV)
BIOL 150 – 03 Principles of Biology I Takoma Park/ Silver Spring	Completion of BIOL 150 with 'A' or 'B' within the last 3 years.	Guide and assist with in-class activities and questions during lecture and lab; lead review and study sessions; give mini-lectures in class.	A: MW 9:30-10:45am and W 11:00am-1:40pm (in-person TP/SS) ***or*** B: TR 11:00am-12:15pm and T 8:00-10:40am (in-person TP/SS)
BIOL 150 – 04 Principles of Biology I Takoma Park/ Silver Spring	Completion of BIOL 150 with 'A' or 'B' within the last year.	Guide and assist with activities, discussion, and student questions in the laboratory; lead study sessions; present mini lectures in class.	A: MW 11:00am-12:15pm and M 8:00-10:40am (in-person TP/SS) *or* B: MW 12:30-1:45pm and W 2:00-4:40pm (in-person TP/SS)
BIOL 150 – 05 Principles of Biology I Takoma Park/ Silver Spring	Completion of BIOL 150 with 'A'.	Guide and assist with laboratory activities, in-class discussion and student questions; lead study sessions; give mini pre-lab lectures.	T 2:00-4:40pm plus TR 12:30-1:45pm as needed (in-person TP/SS)

Course	Prerequisites by end of Spring 2022	Duties	Required attendance plus additional times as assigned
BIOL 150 – 06 Principles of Biology I Takoma Park/ Silver Spring	Completion of BIOL 150 with 'A' or 'B' within the last year.	Guide and assist with activities, discussion and student questions in the lecture and laboratory; lead study sessions; present mini pre-lab lectures.	A: MW 11:00am-12:15pm and W 8:00-10:40am (in-person TP/SS) ***or*** B: MW 12:30-1:45pm and M 2:00-4:40pm (in-person TP/SS)
BIOL 151 – 01 Principles of Biology II Takoma Park/ Silver Spring	Completion of BIOL 151 with 'A' or 'B'.	Guide and assist students during discussions, activities, and exercises in the lecture and laboratory; lead study and review sessions and respond to student ideas.	F 2:00-4:40pm plus one hour weekly during F 10:00am-12:40pm (in-person TP/SS)
CHEM 131 – 01 Principles of Chemistry I Rockville	Completion of CHEM 131 with 'A' or 'B'.	Assist and support students in the laboratory; lead study and review sessions; present mini pre-lab lectures.	W 1:00-4:00pm (in-person RV)
CHEM 131 – 02 Principles of Chemistry I Rockville	Completion of CHEM 131 with 'A' or 'B'.	Assist students in the laboratory; hold study and review sessions; lead discussions for student support; serve as a peer mentor to students.	F 11:00am-1:40pm (in-person RV)
CHEM 131 – 03 Principles of Chemistry I Rockville	Completion of CHEM 131 with 'A' or 'B' within the last year.	Assist and support students in the laboratory; help with post-lab analysis; lead study and review sessions both in-person and remote; present mini pre-lab lectures.	T 1:00-4:30pm (in-person RV)
CHEM 131 – 04 Principles of Chemistry I Takoma Park/ Silver Spring	Completion of CHEM 131 with 'A' or 'B'; Completion of CHEM 132 (preferred).	Assist students with problem-solving, lab support, and analysis; facilitate discussion between students in class; present mini pre-lab lectures.	M 12:20-2:50pm and W 12:20-1:10pm (in-person TP/SS)

Course	Prerequisites by end of Spring 2022	Duties	Required attendance plus additional times as assigned
CHEM 132 – 01 Principles of Chemistry II Rockville	Completion of CHEM 132 with 'A' or 'B'.	Assist and support students in the laboratory; help with post-lab analysis; lead study and review sessions; present mini pre-lab lectures.	A: M 1:00-4:00pm (in-person RV) ***or*** B: T 1:00-4:00pm (in-person RV)
CHEM 203 – 01 Organic Chemistry I Rockville	Completion of CHEM 203 with 'C' or better.	Assist students with problem solving during lecture and discussion; facilitate groupwork and present example problems; lead study and review sessions; present mini-lecture during class.	TR 11:00-11:50am plus TR 9:30-10:45am as needed (in-person RV)
CMSC 140 – 01 Introduction to Programming Germantown	Completion of CMSC 140 with 'A' or 'B'. Recommended: completion of CMSC 203 with 'A' or 'B'.	Assist students in their work by answering questions and guiding with problem solving; give mini-lectures during class; prepare worksheets for class; lead study sessions.	A: TR 9:30-10:45am (in-person GT) ***or*** B: TR 11:00am-12:15pm (in-person GT) ***or*** C: TR 12:30-1:45pm (in-person GT)
CMSC 203 – 01 Computer Science I Rockville	Completion of CMSC 203 with 'A' or 'B'.	Assist students in their work by answering questions and guiding with problem solving; give mini-lectures during class; prepare worksheets for class; lead study sessions.	A: MW 10:00-11:40am (in-person RV) ***or*** B: TR 2:00-3:40pm (in-person RV)
ENES 100 – 01 Introduction to Engineering Design Rockville	Completion of ENES 100 with 'A' or 'B'; Competency with CREO, Excel, engineering graphics concepts and engineering design.	Provide guidance and assistance during class and with projects in lab; present mini-lectures in class.	MW 9:00am-10:50pm (in-person RV)

Course	Prerequisites by end of Spring 2022	Duties	Required attendance plus additional times as assigned
MATH 117 – 01 Elements of Statistics Germantown	Completion of MATH 117 with 'A' or 'B'.	Assist students with activities during class; support students with utilizing the online textbook and calculators; lead review sessions; give mini-lectures in class.	A: TR 11:00am-12:15pm (in-person GT) ***or*** B: TR 1:00-2:15pm (in-person GT)
MATH 150 – 01 Elementary Applied Calculus I Rockville	Completion of MATH 150 with 'A' within the last year or completion of MATH 181 with 'A' or 'B' within the last year.	Facilitate discussion and work with students during class; hold study and review sessions; give mini-presentations in class.	A: MWF 8:00-9:10am (in-person RV) ***or*** B: MWF 11:00am-12:10pm (in-person RV)
MATH 165 – 01 Precalculus (Takoma Park/ Silver Spring)	Completion of MATH 165 with 'A' within the last year.	Support and work with students during class; hold weekly study/review sessions; give mini-presentations in class.	A: MW 8:00-10:15am (in-person TP/SS) ***or*** B: MW 12:00-2:15pm (in-person TP/SS)
MATH 181 – 01 Calculus I Germantown	Completion of MATH 181 with 'A'.	Assist students with in-class assignments, groupwork and answer questions during class; lead study and review sessions; present mini-lectures during class.	TR 8:00-10:10am (remote)
MATH 181 – 02 Calculus I Germantown	Completion of MATH 181 with 'A' or 'B'.	Facilitate with in-class activities; assist students with groupwork and assignments; hold study sessions; give mini-lectures in class.	MWF 11:00am-12:25pm (in-person GT)
MATH 181 – 03 Calculus I Germantown	Completion of MATH 181 with 'A' or 'B'.	Facilitate with in-class activities; assist students with groupwork and assignments; hold study sessions; give mini-lectures in class.	A: MWF 9:00-10:25am (in-person GT) ***or*** B: MWF 11:00am-12:25pm (in-person GT)

Course	Prerequisites by end of Spring 2022	Duties	Required attendance plus additional times as assigned
MATH 181 – 04 Calculus I Rockville	Completion of MATH 181 or higher with 'A' or 'B'.	Assist students during group assignments in class; lead study and review sessions outside of class; present mini-lectures in class.	3 days selected from MTRF 10:00-11:05am (in-person RV)
MATH 181 – 05/06 Calculus I Rockville	Completion of MATH 181 or higher with 'A' or 'B'. Recommended: Completion of MATH 182 with 'A' or 'B'.	Assist students with problem solving during class; facilitate groupwork and present sample problems and mini-lectures in class; lead study and review sessions.	MWF 9:00-10:25am (in-person RV)
MATH 182 – 01 Calculus II Germantown	Completion of MATH 182 with 'A' or 'B'.	Facilitate with in-class activities; assist students with groupwork and assignments; hold study sessions; give mini-lectures in class.	TR 10:00am-12:10pm (in-person GT)
MATH 182 – 02 Calculus II Rockville	Completion of MATH 181 and MATH 182 with 'A' or 'B'. Recommended: Completion of MATH 280 or MATH 282 with 'A' or 'B'.	Facilitate with in-class activities; assist students with groupwork and assignments; hold study sessions; give mini-lectures in class.	TR 11:00am-1:10pm (in-person RV)
MATH 182 – 03 Calculus II Rockville	Completion of MATH 182 with 'A' (preferred) or 'B'.	Assist students with questions and in-class activities; hold study and review sessions; participate in online discussions between classes; present mini-lectures in class.	MWF 9:00am-10:25am (in-person RV)
PHYS 262 – 01 General Physics II Rockville	Completion of PHYS 262 with 'A' (preferred) or 'B'.	Assist students with problem solving during lab and discussion; lead review sessions; facilitate discussion between students in class; present mini pre-lab lectures.	MW 12:50-1:15pm and F 11:00am-1:40pm (in-person RV)