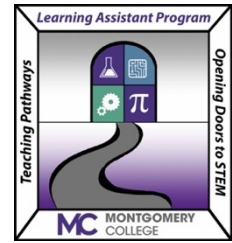


# STEM Learning Assistant Program

Fall 2020



*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 (\$1,200) for the semester.
- Semester appointments have a six hour per week commitment.
- In addition, LAs receive 15 hours of pedagogy training before and throughout the semester. LAs must be available for training during the three weeks before classes start. Days/times to be announced. Unless otherwise notified, training will be in the structured remote format.
- 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](http://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](mailto:Carolyn.Schick@montgomerycollege.edu)

**Program requirements:** You must have completed at least one semester at Montgomery College before serving a Learning Assistant. You must also 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 professor during the same semester. You must have internet access and a computer with video capability for Fall 2020 LA positions.

For Fall 2020, unless otherwise notified, LAs will attend, participate, and support students in a structured remote setting (synchronous classes/labs/study sessions) via computer. When the college transitions to in-person classes, LAs will work with their faculty mentors to come up with a safe plan for attending, participating, and supporting students in designated classrooms on campus.

## Fall 2020 LA Courses

(please note the campus for each offering)

updated June 6, 2020

Course	Prerequisites by end of Spring 2020	Duties	Required attendance plus additional times as assigned
BIOL 150 Principles of Biology I  Germantown	Completion of BIOL 150 with 'A' or 'B'.	Guide and assist students with discussions, activities and experiments in the laboratory; present mini-lectures; lead weekly study sessions; promote discussion with students.	R 2:30-5:10pm plus TR 1:00-2:15pm as needed
BIOL 150 Principles of Biology I  Rockville	Completion of BIOL 150 with 'A' or 'B' within the last two years.	Guide, interact, and assist students in the laboratory; lead study and review sessions; present mini-lectures in lab.	M 9:25-11:55am plus MW 8:00-9:15am as needed
BIOL 150 Principles of Biology I  Rockville	Completion of BIOL 150 with 'A' or 'B'.	Guide and assist students in the laboratory; lead study and review sessions; present mini-lectures in lab; participate in occasional activities in lecture.	W 10:00am-12:30pm plus MW 8:30-9:45am as needed  <i><u>or</u></i>  R 12:25-2:55pm plus TR 3:30-4:45pm as needed
BIOL 150 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.	M 12:25-2:55pm and MW 3:30-4:45pm
BIOL 150 Principles of Biology I  Takoma Park/ Silver Spring	Completion of BIOL 150 with 'A' within the last 2 years.	Guide and assist with laboratory activities; lead review and study sessions; give mini pre-lab lectures.	T 8:00-10:40am plus TR 11:00am-12:15pm as needed  <i><u>or</u></i>  W 2:00-4:40pm plus MW 12:30-1:45pm as needed

<b>Course</b>	<b>Prerequisites by end of Spring 2020</b>	<b>Duties</b>	<b>Required attendance plus additional times as assigned</b>
BIOL 150 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; develop materials for study sessions; give mini pre-lab lectures.	T 2:00-4:40pm plus TR 12:30-1:45pm as needed
CHEM 131 Principles of Chemistry I  Germantown	Completion of CHEM 131 with 'A' or 'B'.	Lead problem solving sessions and assist students during class; lead study and review sessions; present mini- lectures.	MW 9:00-10:50am
CHEM 131 Principles of Chemistry I (climate change theme)  Rockville	Completion of CHEM 131 with 'A' or 'B'.	Assist and support students in the laboratory or with computer simulations; help with post-lab analysis; contribute to the lab discussion; lead study and review sessions.	W 12:00-1:00pm and W 2:00-4:40pm
CHEM 131 Principles of Chemistry I  Rockville	Completion of CHEM 131 with 'A'.	Assist and support students in the laboratory; help with post-lab analysis; lead study sessions and encourage discussion; give mini-presentations in lecture and lab.	F 8:00-10:40am plus one hour during MW 8:00-9:50am and one weekend hour  <i>or</i> F 1:00-3:40pm plus one hour during MW 1:00-2:50pm and one weekend hour
CHEM 131 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

<b>Course</b>	<b>Prerequisites by end of Spring 2020</b>	<b>Duties</b>	<b>Required attendance plus additional times as assigned</b>
CHEM 132 Principles of Chemistry II  Rockville	Completion of CHEM 132 with 'A' or 'B'.	Assist students with problem solving during class; present mini- lectures; lead study and review sessions outside of class.	TR 9:00-10:45am
CHEM 203 Organic Chemistry I  Rockville	Completion of CHEM 203 with 'C' or better; Completion of CHEM 203 prior to Spring 2020 (preferred).	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 9:30-11:50am
CMSC 203 LC Computer Science I Learning Community (LC) with MATH 181 Rockville	Completion of CMSC 140 and CMSC 203 with 'A' or 'B'.	Assist students in their work by answering questions and guiding with problem solving; present mini-lectures in class; lead study and review sessions.	TR 2:00-3:40pm
CMSC 203 Computer Science I  Rockville	Completion of CMSC 203 or CMSC 204 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.	MW 11:00am-12:40pm
CMSC 204 Computer Science II  Rockville	Completion of CMSC 204 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.	MW 1:00-2:40pm  <u>or</u> TR 9:00-10:40am
MATH 165 Precalculus  Takoma Park/ Silver Spring	Completion of MATH 165 with 'A' within the last two years.	Support and work with students during class; hold study and review sessions; give mini- presentation in class.	MWF 8:00-9:25am  <u>or</u> MWF 12:00-1:25pm

<b>Course</b>	<b>Prerequisites by end of Spring 2020</b>	<b>Duties</b>	<b>Required attendance plus additional times as assigned</b>
MATH 181 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; answer questions and provide support with software component of course.	MWF 10:00-11:25am
MATH 181 Calculus I  Rockville	Completion of MATH 181 or higher with 'A'.	Present examples, lead discussions, and answer questions in class; assist students with groupwork; hold study sessions.	MWF 8:30-9:55am
MATH 181 Calculus I  Rockville	Completion of MATH 181 or higher with 'A' or 'B' within the last two years.	Assist students during group work assignments in class; support students with software component of course; lead study and review sessions; give mini-lectures in class.	MWF 12:00-1:25pm
MATH 181 Calculus I  Takoma Park/ Silver Spring	Completion of MATH 181 with 'A'; Completion of MATH 182 with 'A' or 'B'.	Assist students during group work assignments in class; lead study and review sessions; give mini-lectures in class.	TR 10:30am-12:45pm
MATH 182 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; answer questions and provide support with software component of course.	TR 10:00am-12:10pm
MATH 182 Calculus II  Rockville	Completion of MATH 182 with 'A' or 'B'; Completion of MATH 280 or MATH 284 with 'A' or 'B'.	Assist students with activities during class; lead review sessions; give mini-lectures in class.	MW 4:00-6:15pm

<b>Course</b>	<b>Prerequisites by end of Spring 2020</b>	<b>Duties</b>	<b>Required attendance plus additional times as assigned</b>
MATH 182 Calculus II  Rockville	Completion of MATH 181 and MATH 182 with 'A' (preferred) or 'B'.	Assist students with problem solving during class; facilitate groupwork and present sample problems in class; lead study and review sessions; present mini-lecture during class.	TR 8:30-10:40am
MATH 280 Multivariable Calculus  Germantown	Completion of MATH 280 with 'A'.	assist students with in-class assignments, groupwork and questions during class; lead study and review sessions; present mini-lecture during class.	MWF 8:25-9:50am
MATH 282 Differential Equations  Rockville	Completion of MATH 282 with 'A' (preferred) or 'B'; familiarity with MATLAB (preferred).	Assist students with questions and in-class activities; hold study and review sessions; provide support with software component of course; present mini-lectures in class	TR 11:00am-12:15pm
PHYS 262 General Physics II  Rockville	Completion of PHYS 262 with 'A' 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.	R 2:30-5:10pm and F 11:00-11:50am