MME Graduate Teaching Assistantships
Fall 2025 Term

All graduate students are invited to apply for a Graduate Teaching Assistantship for the Fall 2025 term. Following the Collective Agreement, students who are studying in the Mechanical and Materials Engineering department will be given preference over students from outside the department. It is recommended that you read the PSAC Local 901, Collective Agreement for Graduate Teaching Assistants found at:
https://www.queensu.ca/facultyrelations/psac%20901-1/collective-agreements/MoAs/LoUs

Please see the attached list of courses being taught this term. For more information on each course, please see the Undergraduate Calendar at http://calendar.engineering.queensu.ca/

TA assignments usually include duties such as leading laboratories or tutorials, hosting office hours, marking of assignments, reports, quizzes, exams. A TA position is typically 60-100 hours over the semester, but hours are assigned based on enrollment and duties. Due to changes in enrollments, some positions may have their hours adjusted once the semester begins. All positions are in-person, on-campus and you must be available during the entire term. Any necessary course specific training will be included in the assignment; Any mandatory TA training will be paid as additional hours.

In some cases, instructors will require your assistance outside of regular hours for midterm and exam proctoring or marking. It is your responsibility to ensure you make yourself available to complete the TA work. ***If you are planning on being away from campus or internet access for a significant amount of time during the semester, please indicate this when submitting your application and keep your employment supervisor up to date during the semester. Note that for Fall 2025, final exams are scheduled until December 20 so it is possible that marking may be required right to the end of the month. Please check with the course instructor about exam marking prior to making travel plans. This is an employment relationship with the university and those hired are expected to act in a professional manner as they would with any other employment.***

APPLICATION PROCESS:

Review the attached tables of available TA positions in MME for the Fall 2025 term for current opportunities. Make note of your top 3 preferences. (NOTE: There are changes to the curriculum and we are hiring for more than just MECH courses so please read carefully). Your preferences are used to help assign you to a course, but are not a guarantee you will get one of your preferred courses. We don't have enough resources to assigned everyone to their top choice.

The application package required will depend on your program:

- If you are in the MASc (year 1 -2) or PhD (year 1-4) program, please complete the application form.
- If you are in the M.Eng program, beyond your 2 years for a MASc or 4 years for a PhD, or outside Mechanical and Materials Engineering, you must complete the application form **AND** submit a Curriculum Vitae and a copy of your recent transcripts (not official) via email to mmeadmin@queensu.ca

Please complete the form and if required submit your CV package to the Department Manager, Gabrielle Whan (mmeadmin@queensu.ca) by **August 11, 2025 at 8:00 am**. Applications will be reviewed at the end of the application period.

NOTE: There are Teaching Assistant Positions available for APSC courses. Please see the Faculty Office website for more information: https://smithengineering.queensu.ca/about/employment-opportunities/ For TA opportunities outside of Mechanical and Materials Engineering please see the PSAC website or the HR website. Graduate students are not allowed to work more than 120 hours per semester on average.

All applications are due on AUGUST 11 at 8:00 am

FALL 2025 COURSES

Course	Course Title	Estimated Max Class Size	Instructor	Estimated number of TA's
General First Year Engineering				
APSC 162	Engineering Graphics	900	Zak	20-25
Mechanical and Materials (MECH) Courses/Sections				
MECH 202	Math & Comp Tools for Mech Eng I	310	Balogh	4-7
MECH 211	Manufacturing Methods (Lecture section only)	310	Fallah	3-4
MECH 212	Manufacturing Methods (Machine Shop Labs)	310	Dept	2-4
MECH 217	Measurement in Mechatronics	310	Wang	5-8
MECH 221	Statics and Solids	430	TBD	5-8
MECH 230	Thermodynamics I	325	Ciccarelli	5-8
MECH 270	Material Science and Engineering	350	Gholamzadeh	5-8
MECH 302	Math & Comp Tools for Mech Eng III	230	Ableson	3-4
MECH 310	Digital Systems for Mechatronics	230	Robertson	3-4
MECH 321	Solid Mechanics II	250	Lai	3-4
MECH 328	Dynamics and Vibrations	260	M. Rainbow	3-4
MECH 330	Applied Thermodynamics II	230	Crane	3-4
MECH 370	Principles of Materials Processing	35	Diak	1
MECH 394	Frontiers in Biomechanical Engineering	55	TBD	1-2
MECH 396	Materials Eng Lab I (all labs)	20	Coord: Diak	2
MECH 398	Mechanical Eng Lab I: Air Flow Refrigeration Vertical Jump Structures (Curved Beam)	225 225 225 225	Coord: Diak	3-4 3-4 3-4 3-4
MECH 460/464	Capstone Design Team Project / Communications	240	Harris / Ploeg	1-2
MECH 444	Computational Fluid Dynamics	75	Matovic/Ambrogi	1
MECH 452	Mechatronics Engineering	44	Surgenor	1
MECH 465	Computer Aided Design	120	Kim	2
MECH 472	Corrosion and Failure Analysis	75	Persaud	1-2
MECH 479	Nano-Structured Materials	40	Béland	0-1
MECH 483	Nuclear Materials	50	Yao	1
MECH 496	Musculoskeletal Biomechanics	50	Li	1-2
Mechatronics and Robotics (MREN) Courses/Sections				
MREN 241	Fluid Mechanics & Fluid Power	200	Ambrogi	2-4
MECH 229	Kinematics and Dynamics	125	TBD	2-4
MECH 350	Automatic Controls (plus labs)	75	TBD	2-4
MREN 403A	Mechatronics & Robotics Eng Design IV	75	Robertson	1-2
MREN 410	Intelligent Machines and Auto. System	75	Wang	1