

Carnegie Mellon University

Robotics Institute

2023-2024 Graduate Handbook

Master of Science in Robotic Systems Development (MRSD)



last updated June 23, 2023

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Welcome!

A Note from the MRSD Program Director:

On behalf of the faculty, staff, and current students of The Robotics Institute (RI), I would like to welcome you to the family. The faculty and staff of RI will function not only as mentors and facilitators, but also as coworkers in this process.

I now have eight years under my belt as director of the program, and it's been a great experience. We were recognized in 2016 by [Grad School Hub](#) as the top robotics engineering program in the U.S., a tribute to the vision of my predecessor, Hagen Schempf, and the hard work and passion that a number of key faculty, staff, and students have poured into the program. You're joining a program that has both gained recognition for past successes and remained open to fruitful change.

The Master of Science in Robotic Systems Development (MRSD) is a unique advanced graduate degree program. It distinguishes itself from any other offered program by teaching the multidisciplinary know-how and skills in the fields of technology, systems engineering, and business that are needed to succeed in today's world. I look forward to meeting and getting to know each of you as you enter, navigate, complete, and become alumni of the program!

Warm Regards,



John M. Dolan, Ph.D.
Principal Systems Scientist
MRSD Program Director



CMU Vision

Carnegie Mellon University will have a transformative impact on society through continual innovation in education, research, creativity, and entrepreneurship

CMU Mission

- To create a transformative educational experience for students focused on deep disciplinary knowledge; problem solving; leadership, communication, and interpersonal skills; and personal health and well-being.
- To cultivate a transformative university community committed to (a) attracting and retaining diverse, world-class talent; (b) creating a collaborative environment open to the free exchange of ideas, where research, creativity, innovation, and entrepreneurship can flourish; and (c) ensuring individuals can achieve their full potential.
- To impact society in a transformative way – regionally, nationally, and globally – by engaging with partners outside the traditional borders of the university campus.

Degrees Offered

The Robotics Institute offers diverse educational opportunities at all levels.

Doctor of Philosophy (PhD)

- Doctor of Philosophy – Robotics

PhD Affiliated Programs

- MD/PhD – Robotics
- CNBC (Center for Neural Basis of Cognition)

Masters of Science (MS)

- Master of Science – Robotics (MSR)
- Master of Science – Robotic Systems Development (MRSD)
- Master of Science – Computer Vision (MSCV)

Undergraduate Programs

- Additional Major – Robotics
- Minor – Robotics

This handbook focuses on the policies for the Master of Science in Robotic Systems Development (MRSD) program. Information about RI's academic programs can be found [here](#).

Graduate Student Handbook

This handbook outlines the academic and departmental policies and procedures for students in the MRSD program. Students are encouraged to consult the handbook for guidance about degree attainment and other related topics. In addition to the handbook, MRSD students should familiarize themselves with the [Roboguide](#).

University Policies & Expectations

It is the responsibility of each member of the Carnegie Mellon community to be familiar with university policies and guidelines. In addition to this departmental graduate student handbook, the following resources are available to assist you in understanding community expectations:

- The Word/Student Handbook: www.cmu.edu/student-affairs/theword//index.html
- Academic Integrity Policy: <https://www.cmu.edu/policies/student-and-student-life/academic-integrity.html>
- University Policies Website: www.cmu.edu/policies/
- Grad & Postdoc Affairs Website: <http://www.cmu.edu/graduate/policies/index.html>

Please see Appendix A for additional information about The Word and University resources.

Carnegie Mellon University Statement of Assurance

Carnegie Mellon University does not discriminate in admission, employment or administration of its programs or activities on the basis of race, color, national origin, sex, handicap or disability, age, sexual orientation, gender identity, religion, creed, ancestry, belief, veteran status or genetic information. Furthermore, Carnegie Mellon University does not discriminate and is required not to discriminate in violation of federal, state or local laws or executive orders.

Inquiries concerning the application of and compliance with this statement should be directed to the university ombudsperson, Carnegie Mellon University, 5000 Forbes Avenue, Pittsburgh, PA 15213, telephone 412-268-1018.

Obtain general information about Carnegie Mellon University by calling 412-268-2000.

Carnegie Mellon University publishes an annual campus security and fire safety report describing the university's security, alcohol and drug, sexual assault and fire safety policies, and containing statistics about the number and type of crimes committed on the campus, and the number and cause of fires in campus residence facilities during the preceding three years. You can obtain a copy by contacting the Carnegie Mellon Police Department at 412-268-2323. The annual security and fire safety report also is available online at www.cmu.edu/police/annualreports.

Information regarding the applicable grievance procedures for alleged violations of the Statement of Assurance is available at <https://www.cmu.edu/policies/forms-and-documents/soa-violations.pdf>.

The Office for Institutional Equity and Title IX may be reached at 412-268-7125 or <https://www.cmu.edu/title-ix/>.

The Carnegie Mellon Code

Students at Carnegie Mellon, because they are members of an academic community dedicated to the achievement of excellence, are expected to meet the highest possible standards of personal, ethical and moral conduct.

These standards require personal integrity, a commitment to honesty without compromise, as well as truth without equivocation and a willingness to place the good of the community above the good of the self. Obligations - once undertaken - must be met, commitments kept.

As members of the Carnegie Mellon community, individuals are expected to uphold the standards of the community in addition to holding others accountable for said standards. It is rare that the life of a student in an academic community can be so private that it will not affect the community as a whole or that the above standards do not apply.

The discovery, advancement, and communication of knowledge are not possible without a commitment to these standards. Creativity cannot exist without acknowledgment of the creativity of others. New knowledge cannot be developed without credit for prior knowledge. Without the ability to trust that these principles will be observed, an academic community cannot exist.

The commitment of its faculty, staff, and students to these standards contributes to the high respect in which the Carnegie Mellon degree is held. Students must not destroy that respect by their failure to meet these standards. Students who cannot meet them should voluntarily withdraw from the university.

The Carnegie Mellon Code can also be found [on-line](#).



1. Directory

A. Faculty Contacts

Dean, School of Computer Science	Martial Hebert	Dean of SCS
Associate Dean for MS Programs	David Garlan	Associate Dean level signatures
Director, RI	Matthew Johnson-Roberson	Director level signatures
Program Director, MRSD	John M. Dolan	Internship placement, projects, career advising
Director of Education, RI	George Kantor	Form signatures
Senior Systems Scientist	Dimi Apostolopoulos	Systems Engineering
Associate Professor	Hartmut Geyer	Robot Mobility on Air, Land, & Sea
Assistant Professor	Oliver Kroemer	Robot Autonomy
Adjunct Professor	Parag Batavia	Robotics Business I & II

B. Administrative Contacts

Academic Program Manager	Sarah Conte	MRSD, MSCV; Admissions, Advising
Administrative Coordinator	Christine Downey	Purchasing Assistant
Manager of Academic Programs	Barbara Jean (BJ) Fecich	MSR; Admissions, Advising
SCS Help	help@cs.cmu.edu	Printing & Technology Needs
Graduate Program Manager	Suzanne Lyons Muth	RI PhD; Admissions, Advising
Assoc Dir Finance & Administration	Cheryl Wehrer	Administrative oversight

C. University Contacts

Division of Student Affairs	Angela Lusk	General Graduate Student Support/ Advocacy, Emergency Intervention
Office of International Education (OIE)	Nick Hernandez	International Graduate Issues, Graduate Tax Workshop for Int'l Students, Immigration Issues
Career and Professional Development Center	Kate Livingston	Career Resources

[Office of the Assistant Vice Provost for Graduate Education \(AVPGE\)](#)

Graduate Student Academic Support/ Advocacy, Diversity Recruitment and Programming, Graduate Policy, Graduate Student Service Awards, Professional Development Seminars, Conference Funding, Small Internal Research Awards, Diversity Programming, Graduate Women's Gatherings, General Graduate Student Support/Advocacy

[Language Support in the Student Academic Success Center](#)

International TA Screening and Support, Language Skills Assessment and Placement, Cross-Cultural Adjustment, Academic Fluency

[Graduate Student Assembly \(GSA\)](#)

Graduate Student Governance

[Enrollment Services - The HUB](#)

Enrollment, Financial Assistance, Academic Calendars, Transcripts

[Health Services](#)

Health-Wellness Issues

[Counseling and Psychological Services \(CAPS\)](#)

Health-Wellness Issues

[University Police](#)

Transportation - Shuttle/ Escort

D. Abbreviations

CIT	College of Engineering
CMU	Carnegie Mellon University
GHC	Gates Hillman Center
GPA	Grade Point Average
GSA	Graduate Student Assembly
HC	Heinz College
ITA	International Teaching Assistant
LOA	Leave of Absence
MRSD	Master of Robotic Systems Development
NSH	Newell Simon Hall
OIE	Office of International Education
PCHE	Pittsburgh Council on Higher Education
RI	Robotics Institute
SCS	School of Computer Science
SIO	Student Information Online
SOC	Schedule of Classes
TA	Teaching Assistant/Assistantship
TSB	Tepper School of Business

2. Departmental Policies

A. Department Directory

A comprehensive listing of all Robotics Faculty, Staff and Students can be found on the [People of RI](#) website. General contact information for faculty, students, and staff affiliated with CMU can be found via [directory search](#).

B. Academic Calendar

The Academic Calendar can be found [here](#). It provides information on all deadlines including registration dates, class start dates, add/drop deadlines, exam dates, and more.

C. Bulletin Boards and Email Distribution Lists

Students are welcome to post flyers, advertisements, etc. to any bulletin board in Newell Simon Hall (NSH) common spaces (i.e., outside of elevators). MRSD students may use e-mail distribution lists to communicate messages to one another. Information about email distribution lists can be found in the [Roboguide](#).

D. Computing Facilities

Students should use the on-campus computing facilities offered by [Computing Services](#). Students should adhere to the [Computing Policies and Guidelines](#).

E. Copy Machine and Fax Availability

As a courtesy, MRSD students have access to the machine on the 4th floor of NSH. Students must use their password to log in; then they can print, make copies, scan documents, and send faxes. Any issues with the copy machine should be promptly reported to Becky Klaas. Questions about connecting to printing are to be directed to [SCS Help](#).

Students may also use public “Andrew” printing. The [Andrew Printing](#) service makes printers available in [cluster locations](#), university libraries and public areas across campus. These printers can be accessed from a cluster computer, Web Station or from your personal computer. All campus affiliates are allotted a per-semester print quota which is debited as you print. Some locations offer color printing and special paper sizes. Instructions on installing the print drivers can be found [here](#). For help with printing, refer to the [How to Print](#) documents.

F. Work Space

MRSD students have exclusive access to lab space in NSH B504/B506 to support their hands-on work for the MRSD project course. The lab space has dual-person lab-benches, arranged to accommodate 4- or 5-person teams. Students are expected to treat the space with respect and maintain their workspace and tools/supplies. Students are welcome to use the RoboLounge (NSH 1512) as well as any SCS common space in NSH and GHC. Students may also access conference rooms after hours. Students are expected to return rooms to their original condition after use.

G. Card Access

MRSD students have swipe card access to the NSH B-level lab during the project course. Access is granted at the beginning of the year and terminated when the project ends. The RoboLounge is also accessible via card swipe, as are the front door and elevators in SCS buildings (after hours). Access issues can be reported to the Program Manager.

H. Locker Rental

As available, students may rent a locker on the 4th or 1st floors of NSH to store their belongings. Students will receive an announcement from [Sarah Conte](#) after the semester starts to complete a Locker Usage Agreement and to submit a cash deposit. RI is not liable for materials stored in the lockers. Students may not store open liquid containers, perishables, flame-producing objects, or live animals in the lockers. RI staff maintain keys to all lockers and have the right to open any locker at any time as deemed necessary.

I. Purchasing and Reimbursement Procedures and Policies

Project purchases are made through [Christine Downey](#). Students must follow the specific purchasing procedures distributed by her. Students should consult with Christine prior to making a purchase with personal funds to make sure the amount is reimbursable under university policy. The university does not pay taxes, so that is not reimbursable.

J. Security, Repairs and Services

Students should inform the MRSD Program Manager of any non-emergency issues related to building security or repairs. If a student feels like he/she is in immediate danger, [Campus Police](#) should be called at 412-268-2323.

K. Graduate Student Organizations

The [Graduate Student Assembly \(GSA\)](#) is the branch of student government that represents all graduate students at CMU. GSA maintains an e-mail distribution list that students can subscribe to called [GSA-Happenings](#). [Women@SCS](#) aims to create, encourage, and support academic, social, and professional opportunities for women in computer science and to promote the breadth of the field and its diverse community. [Dec\5](#) is a social organization that encourages interaction between different Departments and Industry partners within SCS. [RoboOrg](#) is the graduate student organization of RI. It organizes social events and trips, maintains the RoboLounge, and is also involved in the strategic long-term planning of RI. MRSD students are encouraged to volunteer 1-2 representatives to work with RoboOrg in an active role.

L. Community Spirit

Our sense of community is a well-known, distinguishing aspect of studying robotics at CMU. The Robotics Institute is proud of our strong community spirit, which we foster through close working relationships between students, staff, and faculty. People volunteer their time, energy, intellect, and other skills to do many of the things that keep our environment running smoothly. These efforts include organizing seminars, serving on departmental committees, being a host during Open House, planning and running social activities, and giving tours. MRSD students are encouraged to get involved in the RI community!



3. Degree Attainment

Standard Degree Requirements & Degree Certification

Carnegie Mellon graduate students are expected to complete their degree requirements within the standard length of time for their program of study as outlined in the relevant Graduate Student Handbook. Standard program lengths for graduate students vary significantly – ranging from two semesters for some full-time master’s programs to several or more years for doctoral programs. Upon completion of the graduate program degree requirements, the degree will be certified by the student’s academic program in the semester in which the student completes the requirements.

Early Competition

Graduate students who consider the completion of all degree requirements in less than the standard length of time for their program of study may consult with their degree-granting program or department to determine if early degree certification is allowed and under what circumstances.

Extended or Longer-than-Standard Competition

Longer-than-standard degree completion may occur due to academic interruptions in making progress toward the degree as defined by the academic program, interruptions of full-time study or progress towards the degree due to serious, documented medical issues, or other unusual or unforeseen circumstances.

Master’s students who require longer than the standard time to complete their degree requirements are expected to remain in close contact with their graduate program, and will be certified at the end of the semester in which they have completed their degree requirements. Students shall reference CMU Policy on Master’s Student Statute of Limitations [here](#) regarding guidelines and restrictions which place an upper limit on the maximum length of time allowable for master’s degree completion and certification.

A. Course Requirements

The degree requirements for students in the MRSD Program consist of required courses, technical electives and business electives. **To be eligible for degree certification, students must satisfactorily complete a minimum of 183 units of MRSD coursework as outlined in the curriculum below.** Detailed course descriptions can be found through the [Schedule of Classes \(SOC\)](#). It is recommended that students adhere to the following course sequence, with the exception of flexibility regarding the timing of 16-720 (first or second semester) and business electives.

i. Sequence of Courses

1st Semester, Fall Term – 48 units		
Course No.	Course Title	Units
16-642	Manipulation, Estimation, & Control	12
16-650	Systems Engineering and Management for Robotics	12
16-665	Robot Mobility on Air, Land, & Sea	12
16-720 A	Introduction to Computer Vision	12

2nd Semester, Spring Term – 48 units		
Course No.	Course Title	Units
16-662	Robot Autonomy	12
16-681	MRSD Project I	15
16-697	Introduction to Robotics Business	9
xx-xxx	Technical Elective	12

Summer Term: 3-unit Internship with a technical company (16-991)

3 rd Semester, Fall Term – 42 units		
Course No.	Course Title	Units
16-682	MRSD Project II	15
16-698	Advanced Topics in Robotics Business	9
xx-xxx	Technical Elective	12
xx-xxx	Business Elective	6

4 th Semester, Spring Term – 42 units		
Course No.	Course Title	Units
xx-xxx	Technical Elective	12
xx-xxx	Technical Elective	12
xx-xxx	Technical Elective	12
xx-xxx	Business Elective	6

ii. Required Courses

The courses listed below are required and must be completed with a grade of “B-” or better by all students.

- Systems Engineering & Management for Robotics (16-650)
- Introduction to Robotics Business (16-697)
- Manipulation, Estimation, & Control (16-642)
- Computer Vision (16-720)
- Robot Autonomy (16-662)
- Internship (16-991)
- Advanced Topics in Robotic Business (16-698)
- MRSD Project I (16-681)
- MRSD Project II (16-682)
- Robot Mobility (16-665)

iii. Elective Courses

MRSD students are required to complete a total of 5 Technical Electives and 12 units of Business Electives. Students are required to obtain a grade of “C” or better in all elective courses.

A list of pre-approved Technical Electives can be found on the MRSD [Curriculum](#) webpage. Courses that are not included in the list require permission from the MRSD Program Director. To petition a course for degree inclusion, the student must complete [this form](#), then email the Program Manager & Program Director to alert them. MRSD students are permitted to take up to 12 units of upper-level Undergraduate (XX-300/400 level) coursework for the degree. The MRSD program cannot guarantee the regularity with which electives will be offered – students should consult the [Schedule of Classes](#) to obtain this information. In order to satisfy the Technical Elective requirement, the student must complete electives that fit the following criteria.

- At least two courses that are offered by RI exclusively (16-xxx course number)
- At least two courses that are offered by any department in SCS
- A maximum of one course that is outside of SCS *and* approved by the director

The MRSD Program Manager will obtain a list of Business Electives from Heinz College (HC) and Tepper (TSB) each semester and will alert students to the enrollment instructions.

iv. Test Make-up Policy

Students are expected to review the exam schedule as soon as it is published to identify any conflicts. A student faced with such a conflict should first exhaust all reasonable means to resolve it. If such efforts are unsuccessful, then the student should immediately contact the instructor and explain the circumstances, recognizing that the instructor is not required to offer an alternate exam time in response to foreseeable, personal conflicts.

In exceptional circumstances, a student may encounter a medical, personal, or family emergency that unexpectedly interferes with his/her ability to participate in a scheduled examination. The student should contact the instructor as soon as is reasonably possible (before the exam has been administered) to discuss a plan. The instructor reserves the right to request proof of the emergency scenario requiring a test be delayed.

B. Internship

Students are required to carry out a 3-month summer internship (16-991 Internship; 3 units) between the first and second academic year. No tuition is charged for this course. Internships are expected to fall within the summer term as outlined by the University [Academic Calendar](#). Interns are required to submit a final end-of-internship report documenting the work that they carried out as part of their internship. The MRSD Program Director will review the reports and assign a Pass/Fail grade at the end of the term. International students are required to consult with the Office of International Education for eligibility before seeking an internship/co-op or signing an offer contract.

C. Registration Process

MRSD students are responsible for managing their registration via [Student Information Online](#) (SIO).

- Required Courses: The MRSD Program Manager will assist with registering students for all required courses
- Technical Electives: Students are fully responsible for choosing & registering for technical electives
- Business Electives:
 - Students taking business electives from Heinz College (HC) should add themselves to the waitlist. The MRSD Program Manager will work with HC to enroll students from the waitlist.
 - Students taking business elective(s) from the Tepper School of Business (TSB) should follow the [TSB registration procedure](#) for non-MBA students to make additional course requests.

i. Drop/Add Procedures

Students taking undergraduate and Master's level courses must follow the procedures and deadlines for adding, dropping, or withdrawing from courses as identified on the academic calendar. Information can be found [here](#). There is a separate calendar for doctoral level courses.

ii. Withdrawing/Dropping Courses

Students taking undergraduate and Master's level courses must follow the procedures and deadlines for adding, dropping, or withdrawing from courses as identified on the academic calendar. More information can be found [here](#). There is a separate calendar for doctoral-level courses.

Due to the structured curriculum of the MRSD program, students are discouraged from withdrawing from courses. Prior to dropping/withdrawing from a course, the student should consult with the MRSD Program Director and Program Manager to confirm that this is the best option. Students will be required to make up the dropped course and/or units at a later date in order to be eligible for graduation.

iii. Courses Outside of the Curriculum

The MRSD program curriculum is designed to occupy a student's full-time effort. Due to the intensive and collaborative nature of the program, the MRSD Program Office cautions students against enrolling in extra coursework – and it usually is *not* possible due to maximum unit limits.

iv. Transfer Courses and Pittsburgh Council on Higher Education (PCHE)

Carnegie Mellon University offers students the opportunity to take courses for credit through a cross-registration program (see Pittsburgh Council on Higher Education (PCHE) and Cross-registration below) and through the receipt of transfer credit from other accredited institutions. The Carnegie Mellon University transcript will include information on such courses as follows: Carnegie Mellon courses and courses taken through the university's cross-registration program will have grades recorded on the transcript and be factored into the QPA. All other courses will be recorded on this transcript indicating where the course was taken, but without grades. Such courses will not be taken into account for academic actions, honors or QPA calculations.

D. Advising

MRSD students are advised by the Program Director and the Program Manager. Advising is to provide support; students are still fully responsible for their own academic progression and the timely meeting of requirements. Students are welcome and encouraged to seek out faculty and other students for specific technical guidance as needed.

E. Statute of Limitations

As outlined in the Master's Students [Statute of Limitations](#) students will complete all requirements for the master's degree within a maximum of seven years from original matriculation as a master's student, or less if required by a more restrictive department, school or college policy. Once this time-to-degree limit has lapsed, the person may resume work towards a master's degree only if newly admitted to a currently offered master's degree program under criteria determined by that program.

Under extraordinary circumstances, such as leave of absence, military or public service, family or parental leave, or temporary disability, a school or college may, upon the relevant department's recommendation and with the written approval of the dean (or designate), defer the lapse for a period commensurate with the duration of that interruption. Students who are pursuing a master's degree as part-time students for all semesters of their program, as approved by their program, may also appeal to their program or department for extension of the time to degree limit.

F. Full-time Status and Part-time Status

The MRSD program is designed to be completed full-time in 21 months. To maintain full-time status, the student must register for a minimum of 36 units per semester. Students with fewer than 36 units are considered part-time. Students who are registered full-time as of the 10th day of classes are expected to

remain full-time for the duration of the semester. Students who wish to complete the degree in 21 months as expected must follow the posted curriculum.

The MRSD program offers part-time enrollment rarely and at the discretion of the Program Director. The part-time candidate must apply and be accepted into the MRSD program, then commit to completing the entire curriculum within the statute of limitations. This is an option only for permanent residents or U.S. citizens, due to specific visa restrictions.

G. Residency Requirements

Students are required to complete the course requirements in their entirety at the Carnegie Mellon University - Pittsburgh campus. MRSD does not offer an option for distance learning. Students are required to be present on campus to complete all course requirements. In many cases, the optional internship will be carried out at an off-site location with an approved industrial partner.

H. Double Counting Courses

Students in the MRSD program are prohibited from double-counting courses. A course that has been counted towards another degree cannot be counted towards fulfilling course requirements for MRSD. Courses may not count for more than one requirement within the Master's program.

I. Waiver Policy

At the discretion of the MRSD Program Director, a student may be permitted to waive a required core course. The student must be willing to take and successfully pass a commensurate final exam (either on paper or as a verbal, interactive discussion/review/test) on the various subjects taught in the course. This will be given by the course instructor. Should a student obtain a passing grade, a waiver will be issued for the core course. The student will still be responsible for completing 183 units by taking an approved elective in place of the waived course.

J. Transfer Courses

The MRSD program does **not** allow students to transfer previously taken courses from other Universities to meet the program requirements. The MRSD courses are tailored to a specific content not typically available in other courses, making it difficult to allow the transfer of previous coursework. Any exceptions to this policy must be approved by the RI Department Head. Dual, concurrent, and joint degrees must be approved by a memorandum of understanding (MOU) and institutional processes.

K. Grading Policy

The CMU grading policy is outlined on the [University Grading Policy](#) website. MRSD students will be awarded a letter grade for all required courses and electives. Students must earn a grade of “B-” or better in all required courses in order for the courses to count towards the MRSD degree requirements. Should a student receive a grade that is less than satisfactory in a required course, he/she will be required to retake the course at a later date. Students failing to obtain a satisfactory grade on the second attempt will be terminated from the MRSD program.

Students must earn a grade of “C” or better in all electives for the courses to count towards the MRSD degree requirements. Should a student receive a grade that is less than satisfactory in an elective class he/she will be required to make up the units through another course.

Pass/fail grades are not permitted for formal coursework used to satisfy MRSD requirements. Students will earn a pass/fail grade for their internship. Audit grades are not permitted for courses used to satisfy MRSD requirements.

i. Remaining in Good Standing – Academic and Civil Standards / Academic Actions

At the end of each semester the MRSD Program Office will review student grades to determine if program standards are being met. Students must maintain a GPA of 3.0 or higher to retain good academic standing in the program. Students dropping below a 3.0 will be required to meet with the MRSD Program Director to develop a plan for improvement. Students failing to rise above a 3.0 in the subsequent semester will be terminated from the MRSD program.

Should a student receive a grade that is less than satisfactory in a required course, he/she will be required to retake the course at a later date. Students failing to obtain a satisfactory grade on the second attempt will be terminated from the MRSD program. Due to the sequential and interactive nature of the MRSD Project Course, there is not an opportunity for a retake. Any student failing to satisfactorily pass the Project Course will be terminated from the program. Should a student receive a grade that is less than satisfactory in an elective class, he/she will be required to make up the units through another course.

Students are required to meet not only the program’s academic requirements, but also high standards of civility and work ethic. If the faculty believes that there is a significant issue affecting a student’s participation and performance in MRSD, this will be addressed and appropriate action will be taken.

ii. Robotics Institute Satisfactory Academic Standing and Academic Actions Policy (Masters)

Any student who fails to achieve the minimum QPA, infringes the Academic Integrity policy, or otherwise fails to make appropriate progress toward graduation, falls out of Good Standing in the Program.

Academic integrity on research papers, including a dissertation, is also enforced strictly; citations are required to avoid plagiarism, including self-plagiarism.

The first time a student falls out of Good Standing, the student is subject to Academic Probation, which serves as a warning to the student and may also trigger supportive actions on the part of the Program, such as advising meetings, reduced maximum course loads, and/or ineligibility for Research Assistantship funding. If after one semester the student has not returned to Good Standing, or should a student fall out of Good Standing more than once during the course of the Program, the student is subject to Academic Suspension, which is a mandatory, but temporary, leave from the University. It serves as an opportunity

for the student to re-evaluate goals, reflect on the requirements for success, and return to the University better prepared to succeed.

Any student previously placed on Academic Suspension who fails to remain in Good Standing may be Dismissed from the program (i.e., expelled). Dismissal indicates a complete and permanent separation of the student from the Program.

Elevated levels of misconduct, either within or outside of a class setting, may upon recommendation by the Chair of the Program and confirmation by the RI Associate Director of Education and the RI Department Head, result in Academic Probation, Suspension, or Dismissal, potentially in the midst of a semester. The Department Head's determination may be appealed (see "Appeals and Grievances"). Students will receive official notice of academic actions, such as the imposition or removal of probation, in the form of a letter mailed to the "permanent address" on file with the University.

iii. Incomplete Grades

MRSD students are expected to complete all courses during the academic semester in which the course is taken. However, if the instructor agrees, a grade of "I" (incomplete) may be given when a student, for reasons beyond his or her control, is unable to complete the coursework, but the work completed to date is of passing quality and the grade of incomplete provides no undue advantage to that student over other students. The full policy can be reviewed [here](#).

iv. Policy on Grades for Transfer Courses

<https://www.cmu.edu/policies/student-and-student-life/transfer-credit-evaluation-and-assignment.html>

Carnegie Mellon University offers students the opportunity to take courses for credit through a cross-registration program (see Pittsburgh Council on Higher Education (PCHE) and Cross-registration below) and through the receipt of transfer credit from other accredited institutions. The Carnegie Mellon University transcript will include information on such courses as follows: Carnegie Mellon courses and courses taken through the university's cross-registration program will have grades recorded on the transcript and be factored into the QPA. All other courses will be recorded on this transcript indicating where the course was taken, but without grade. Such courses will not be taken into account for academic actions, honors or QPA calculations.

v. Process for Appealing Final Grades

<https://www.cmu.edu/graduate/policies/appeal-grievance-procedures.html>

Final grades will be changed only in exceptional circumstances and only with the approval of the instructor and the department, unit or program. Grading is a matter of sound discretion of the instructor and final grades are rarely changed without the consent of the instructor who assigned the grade. The following circumstances are the unusual exceptions that may warrant a grade appeal: (a) the final grade assigned for a course is based on manifest error (e.g. a clear error such as arithmetic error in computing a grade or failure to grade one of the answers on an exam), or (b) the faculty or staff member who assigned the grade did so in violation of a University policy.

L. Academic Integrity

CMU, The Robotics Institute, and the MRSD program take a serious approach to academic integrity. Please review the [University Policy on Academic Integrity](#). The policy includes the University expectations around academic integrity and provides definitions of cheating, plagiarism, and unauthorized assistance.

A review of the [University's Academic Disciplinary Actions procedures](#) is also recommended. These procedures outline the process for investigating, reporting, and adjudicating violations of the University Policy on Academic Integrity. The procedures also outline the appeal process. Contact the Office of Community Standards and Integrity (OCSI, ocsi@andrew.cmu.edu) if you have any questions about academic integrity.

M. Withdrawal of a Degree

The university reserves the right to withdraw a degree even though it has been granted should there be discovery that the work upon which it was based or the academic records in support of it had been falsified. In such a case, the degree will be withdrawn promptly upon discovery of the falsification. The complete reference to this university policy is available [here](#).

N. Teaching Assistantships

MRSD students are not required to complete a Teaching Assistantship (TA), but may do so after completing their first semester. Before accepting such an offer, MRSD students are required to obtain permission from the MRSD Program Director. Students receive a modest stipend as compensation for their work.

Graduate students are required to have a certain level of fluency in English before they can instruct in Pennsylvania, as required by the [English Fluency in Higher Education Act of 1990](#). Through this Act, all institutions of higher education in the state are required to evaluate and certify the English fluency of all instructional personnel, including teaching assistants and interns. Prior to working in the classroom, the fluency of all instructional personnel will be rated by Language Support in the Student Academic Success Center to determine at what level of responsibility the student can TA. In addition to administering the International Teaching Assistant (ITA) Test (a mandatory screening test for any non-native speaker of English), Language Support in the Student Academic Success Center helps teaching assistants who are non-native English speakers develop fluency and cultural understanding to teach successfully at Carnegie Mellon. The full university policy can be reviewed [here](#). Please view the Employment Verification section.

O. Switching Programs

Admission to the MRSD program does not in any way signify admission to any other RI degree programs. Each of RI's graduate programs (MSR, MRSD, MSCV, PhD) is separate and has its own application steps, admission criteria, selection processes, and admission decisions. The MRSD program should not be viewed as a preparatory program for the PhD program, but rather as a stand-alone degree program for those primarily interested in a professional career track.

P. Leave of Absence

CMU defines a Leave of Absence (LOA) as leaving the University temporarily with the firm and stated intention of returning (see [Student Leave Policy](#)). Students who wish to take a LOA must state their

intentions in writing to the MRSD Program Director and Program Manager. Upon receiving the written request, the MRSD Program Office will contact the student to discuss their plans while on leave and to work out any conditions that may be necessary for a smooth return to CMU. Once all parties are in agreement that LOA is the best way to move forward, the student will be required to complete a [Leave of Absence \(.pdf\)](#) form. The form must include **all** necessary signatures or the process will not be completed.

Students taking a LoA before completing 60% of the semester will be charged tuition based on the number of days completed within the semester (see [Tuition Adjustments](#)). There is no adjustment of the media fee, transportation fee, technology fee, or student activities fee. Students needing an adjustment to the health assessment fee must contact [Student Health Services](#).

Students wishing to return from LOA to resume their studies should follow the [Return from Leave Policy](#) and complete a [Return from Leave of Absence \(.pdf\)](#) form. All degree requirements must be completed before the Statute of Limitations for MS students.

Q. Withdrawing from Degree Program

CMU defines a withdrawal as leaving the University with no intention of returning (see [Student Leave Policy](#)). Students who wish to withdraw from the MRSD program must state their intentions in writing to the MRSD Program Director and Program Manager. The student is then required to complete the [Withdrawal \(.pdf\)](#) form. The form must include **all** necessary signatures or the process will not be completed.

R. Enrollment Verification

Enrollment Services is the only University office that can provide an official letter of enrollment, official transcript, and enrollment verification. Enrollment verification can be requested online through The HUB [here](#).

S. Degree Certification

Upon satisfactory completion of 183 units of degree requirements, the Master of Science (MS) degree will be certified by the MRSD Program Manager. Student diplomas will specify that graduates have earned a “Master of Science in Robotic Systems Development.”

4. Financial Policies

A. Departmental Financial Support

RI does not offer financial support to MRSD students. Accepted students are expected to be fully self-supported, including tuition, fees, health insurance and any additional costs for books, supplies, room and board.

B. Student Fees

Students are responsible for paying all fees in a timely manner. Failure to pay fees will result in the inability to register for subsequent semesters and/or a hold on the student diploma.

C. Health Insurance

Students are required to maintain health insurance and are responsible for enrolling and paying the balance each year. Information can be found on the Health Services [website](#).

D. Travel & Conference Funding

MRSD does not provide funds for travel and/or conferences. Students may obtain funding for such activities via an application process sponsored by GSA and the Provost's Office. The process is managed by the Office of the Assistant Vice Provost for Graduate Education. Students can find more information about the application process/deadlines [here](#).

E. Additional Sources for Financial Support

Students may work as a teaching assistant (see 3.N. on pg 16 for more details); compensation will be provided.

Students may work in a research lab for compensation, if hired by a faculty member.

F. Scholarship & Fellowship Opportunities

While RI is not able to provide financial assistance, students are encouraged to identify scholarship and/or fellowship opportunities from external agencies. In particular, we encourage students to review and apply for [SMART Scholarships](#) funded by the Department of Defense. Students may also review the on-line information provided by the CMU [Fellowship and Scholarship Office](#). This website is an excellent resource for locating an abundance of information regarding available funding for students.

G. Outside Employment

Due to the time-consuming curriculum of the MRSD program, students are not advised to accept employment while enrolled in the program as a full-time student. International students must contact the Office of International Education regarding ability to hold employment.

H. University Financial Aid

Graduate students should consult the [graduate student financial aid information](#) from The HUB's website. There students will find the Graduate Financial Aid Guide, information about funding options, and how to apply for financial aid, among other helpful links. Graduate students who find themselves in need of immediate funds for emergency situations should contact the Office of the Dean of Student

Affairs (see Appendix A), www.cmu.edu/student-affairs/index.html, to inquire about an Emergency Student Loan.

I. Per Unit Tuition Rate for Additional Courses

The MRSD Program Office discourages students from enrolling in additional coursework. The curriculum is designed to occupy full-time effort, and the tuition is based on the standard curriculum. Students interested in enrolling in courses beyond the curriculum will be required to pay for the extra courses, although schedules do not usually allow this.

5. Additional Department and University Policies/Protocols

A. Assistance for Individuals with Disabilities

The [Office of Disability Resources](#) at Carnegie Mellon University has a continued mission to provide physical, digital, and programmatic access to ensure that students with disabilities have equal access to their educational experience. We work to ensure that qualified individuals receive reasonable accommodations as guaranteed by the Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act of 1973. Students who would like to receive accommodations can begin the process through Disability Resources' secure online portal or email access@andrew.cmu.edu to begin the interactive accommodation process.

Students with physical, sensory, cognitive, or emotional disabilities are encouraged to self-identify with the Office of Disability Resources and request needed accommodations. Any questions about the process can be directed to access@andrew.cmu.edu, or call (412) 268-6121.

B. Protocol for Review of Academic Conflicts

Graduate students should refer to the [Graduate Student Appeal and Grievance Procedures](#) for a summary of processes available to those who seek review of academic and non-academic issues. Graduate students are expected to seek informal resolution of all concerns within the Department, unit, or program before invoking formal processes. When an informal resolution cannot be reached, a graduate student who seeks further review of the matter is to follow the formal procedures as outlined. The appeal and grievance procedures shall apply to students in all graduate programs of the University. Students should refer to the department-specific information in this handbook for information about the administration and academic policies of the program.

C. Safeguarding Education Equity / Sexual Misconduct Policy

The University prohibits sex-based discrimination, sexual harassment, sexual assault, dating/ domestic violence and stalking. The University also prohibits retaliation against individuals who bring forward such concerns or allegations in good faith. The University's Sexual Misconduct Policy is available [here](#), and the University's Policy Against Retaliation is available [here](#). If you have been impacted by any of these issues, you are encouraged to make contact with any of the following resources:

- Office of Title IX Initiatives, <https://www.cmu.edu/title-ix/> 412-268-7125, tix@cmu.edu
- University Police, 412-268-2323

Additional resources and information can be found [here](#).

D. Consensual Intimate Relationship Policy Regarding Undergraduate Students

<https://www.cmu.edu/policies/student-and-student-life/consensual-relationships.html>

This policy addresses the circumstances in which romantic, sexual or amorous relationships/interactions with undergraduate students, even if consensual, are inappropriate and prohibited. The purpose of this policy is to assure healthy professional relationships. This policy is not intended to discourage consensual intimate relationships unless there is a conflicting professional relationship in which one party has authority over the other as in the policy.

E. Gestational and Parental Accommodations

Providing holistic student support is a top priority at Carnegie Mellon. The protocols on this page are designed to support the parental needs of students and their families. Students seeking any of the Parental Accommodations described below must register with the Office of the Dean of Students by contacting the office for an appointment by calling 412-268-2075.

Students are encouraged to register with the Office of the Dean of Students ninety (90) days in advance of the anticipated arrival of the child as applicable in the individual circumstance. At the time of registering, students will have the opportunity to consult about resources, procedures, funding options and preparation for discussing academic accommodations with the student's academic department. Students should also consult with their academic advisors either before or in conjunction with registering with the Office of the Dean of Students.

i. Accommodations for Gestational Parents

The birth of a child is a significant life event that may require time away from academic pursuits for delivery and recovery from delivery of a newly born child. Students whose anticipated delivery date is during the course of a semester may need to take time away from their academic responsibilities. Carnegie Mellon students seeking time away are afforded two options as possible accommodation:

1. Short-Term Accommodation for Gestational Parents – A short term absence from academic responsibilities up to a maximum of six (6) weeks. Short-Term Accommodation may be extended by two (2) weeks, for a total of eight (8) weeks, where a longer absence is medically necessary. Prior to the absence students must work with relevant university faculty and staff to adjust their course work, research, teaching and other academic responsibilities during the period of absence. This may include extensions of time to complete assignments, incomplete grades, and/or dropping courses, shifting research responsibilities and adjusting TA assignments. Students who take a Short-Term Accommodation will remain enrolled.

2. Formal Leave of Absence– A formal leave of absence under the Student Leave Policy. Generally, the Student Leave Policy permits students to take a leave of absence for a full-semester, mini-semester, or for the time remaining in the semester during which the leave is taken. Students who take a Formal Leave of Absence (<https://www.cmu.edu/policies/student-and-student-life/student-leave.html>) drop all remaining courses for the semester and are unenrolled for the semester. International students must consult with the Office of International Education (<https://www.cmu.edu/oie/>) before considering this option due to visa implications.

ii. Financial Assistance for Student Parents

Carnegie Mellon also offers the following options for financial assistance to students who become parents while enrolled:

Interest Free Loan – Any student who becomes a parent is eligible to apply for an interest-free parental loan (<https://www.cmu.edu/student-affairs/dean/loans/>) from the Office of the Dean of Students.

F. Grandfather Policy

When policies are changed it is because the department believes the new rules offer an improvement. Currently enrolled students whose degree program is affected by a change in policy may choose to be governed by the old policy that was in place at the time of their matriculation or the new policy. In case degree requirements are changed and certain courses are no longer offered, the department will try to find some compromise that allows those students to satisfy the original requirements.

G. Employment Eligibility Verification

If you are receiving a stipend, you are going to be a TA, or you are planning to have a position with CMU, then Employment Eligibility Verification is required. Form I-9 must be completed within 3 business days of beginning work for any type of compensation (stipend or employment). To ensure compliance with federal law, CMU maintains the [Employment Eligibility Verification \(I-9\) Policy \[pdf\]](#) covering the university's I-9 and E-Verify requirements:

- Every individual receiving a stipend from CMU or employed by CMU must comply with the I-9 Policy by completing the Form I-9 within three business days following the first day of stipend start date/employment.
- Individuals who expect to work on a federally funded project are further responsible for submitting an E-Verify Processing Request Form to the Office of Human Resources.
- Students who fail to complete the Form I-9 in a timely manner may have stipend payments suspended. If employed by the university, an individual who fails to timely complete the Form I-9 may be subject to disciplinary action up to and including termination of employment.

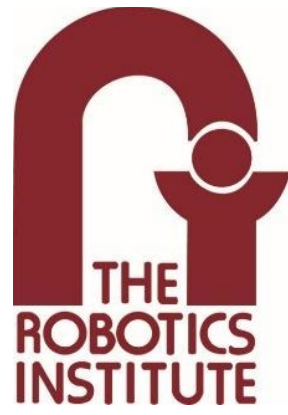
For more information, please see CMU's [Guidance for Completing the Form I-9 and E-Verify Requirements at CMU \[pdf\]](#), or visit the Human Resources Service website to [learn more about Form I-9 and E-Verify](#) and to [schedule an appointment to complete the Form I-9.](#)"

H. Vacations and Time-Off

Students are expected to follow the academic calendar to determine appropriate vacation time. University holidays are also student holidays, so please take advantage of those days.

I. Change of Address

Students are asked to keep their current local address up-to-date in SIO. This supports a university initiative to have accurate living information for students for official notices, the ability to facilitate wellness checks, ensure international students are in compliance with visa requirements, etc.



Appendix A

2023-2024

Highlighted University Resources for Graduate Students

Note: The following pages are meant to broadly include only some of the resources available to graduate students. It is not an exhaustive appendix of resources, and students are strongly encouraged to visit the various websites linked below for the most up-to-date information.

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Key Resources for Graduate Student Support

Office of Graduate and Postdoctoral Affairs

<https://www.cmu.edu/graduate>

graded@cmu.edu

The Office of Graduate and Postdoctoral Affairs provides university-wide support for all graduate students and academic programs, with a focus on supporting graduate student success at Carnegie Mellon. Examples of resources offered through the Office of Graduate and Postdoctoral Affairs include, but are not limited to:

- Website with university resources, contact information for CMU programs and services, possible financial assistance and potential funding opportunities, and various procedural and policy information
- Newsletter to all graduate students with information on activities, resources, and opportunities
- Professional development seminars and workshops, and various programming and events for the graduate student community

The Office of Graduate and Postdoctoral Affairs also works directly with the colleges and departments on issues related to graduate students and serve as a resource for developing policy and procedures. The Office of Graduate and Postdoctoral Affairs partners with many other offices and organizations, such as the Graduate Student Assembly, to support the holistic graduate student educational experience.

Office of the Dean of Students

<https://www.cmu.edu/student-affairs/dean/>

The Office of the Dean of Students provides central leadership of the metacurricular experience at Carnegie Mellon including the coordination of student support. Graduate students will find the enrollment information for Domestic Partner Registration and Parental Accommodations in the Office of the Dean of Students or on their website. This Office also manages the Student Emergency Support Funding process. There are currently three forms of support funding for enrolled students: emergency student loans, student parental loans, and the Tartan Emergency Support Fund. Inquiring students will be provided with additional information about the various types of funding during a consultation meeting with a member of the Dean of Students team. Tuition costs are not eligible for Student Emergency Support funding.

College Liaisons and the Student Support Resources team serve as additional resources for graduate students. College Liaisons are senior members of the Division of Student Affairs who work with departments and colleges addressing student concerns across a wide range of issues. College Liaisons are identified on the Important Contacts list in Student Information Online (SIO). The Student Support Resources team offers an additional level of support for students who are navigating a wide range of life events. Student Support Resources staff members work in partnership with campus and community resources to provide coordination of care and support appropriate to each student's situation.

The Division of Student Affairs

The Division of Student Affairs includes (not an exhaustive list):

- Athletics, Physical Education and Recreation

- Career and Professional Development Center (CPDC)
- Center for Student Diversity and Inclusion
- Cohon University Center
- Counseling & Psychological Services (CaPS)
- Dining Services
- Office of Community Standards and Integrity (OCSI)
- Office of Student Leadership, Involvement, and Civic Engagement (SLICE)
- University Health Services (UHS)
- Wellness Initiatives

Center for Student Diversity & Inclusion

<https://www.cmu.edu/student-diversity/>

Diversity and inclusion have a singular place among the values of Carnegie Mellon University. The Center for Student Diversity & Inclusion actively cultivates a strong, diverse and inclusive community capable of living out these values and advancing research, creativity, learning and development that changes the world.

The Center offers resources to enhance an inclusive and transformative student experience in dimensions such as access, success, campus climate and intergroup dialogue. Additionally, the Center supports and connects historically underrepresented students and those who are first in their family to attend college in a setting where students' differences and talents are appreciated and reinforced, both at the graduate and undergraduate level. Initiatives coordinated by the Center include, but are not limited to:

- First generation/first in family to attend college programs
- LGBTQ+ Initiatives
- Race and ethnically focused programs, including Inter-University Graduate Students of Color Series (SOC) and PhD SOC Network
- Women's empowerment programs, including Graduate Women's Gatherings (GWGs)

Assistance for Individuals with Disabilities

<https://www.cmu.edu/disability-resources/>

The Office of Disability Resources at Carnegie Mellon University has a continued mission to provide physical, digital, and programmatic access to ensure that students with disabilities have equal access to their educational experience. The Office works to ensure that qualified individuals receive reasonable accommodations as guaranteed by the Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act of 1973. Students who would like to receive accommodations can begin the process through Disability Resources' secure online portal or email access@andrew.cmu.edu to begin the interactive accommodation Process.

Students with physical, sensory, cognitive, or emotional disabilities are encouraged to self-identify with the Office of Disability Resources and request needed accommodations. Any questions about the process can be directed to access@andrew.cmu.edu, or call (412) 268- 6121.

Eberly Center for Teaching Excellence & Educational Innovation

<https://www.cmu.edu/teaching/>

The Eberly Center offers a wide variety of confidential, consultation services and professional development programs to support graduate students as teaching assistants or instructors of record during their time at Carnegie Mellon University and as future faculty members at other institutions. Regardless of one's current or future teaching context and duties, Eberly's goal is to disseminate evidence-based teaching strategies in ways that are accessible and actionable. Programs and services include campus-wide Graduate Student Instructor Orientation events and our Future Faculty Program, both of which are designed to help participants be effective and efficient in their teaching roles. The Eberly Center also assists departments in creating and conducting customized programs to meet the specific needs of their graduate student instructors. Specific information about Eberly Center support for graduate students is found at:

<https://www.cmu.edu/teaching/graduatestudentsupport/>

Graduate Student Assembly

<https://www.cmu.edu/stugov/gsa/>

The Graduate Student Assembly (GSA) is the branch of Carnegie Mellon Student Government that represents and advocates for the diverse interests of all graduate students at CMU. GSA is composed of representatives from the different graduate programs and departments who want to improve the graduate student experience at the different levels of the university. GSA is funded by the Student Activities Fee from all graduate students. GSA passes legislation, allocates student activities funding, advocates for legislative action locally and in Washington D.C. on behalf of graduate student issues and needs, and otherwise acts on behalf of all graduate student interests. GSA's recent accomplishments are a testament to their making a difference, and steps to implementing the vision laid out by the strategic plan.

<https://www.cmu.edu/stugov/gsa/about-the-gsa/strategic-plan.html>

GSA offers an expanding suite of social programming on and off-campus to bring graduate students from different departments together and build a sense of community. GSA is the host of the Graduate Student Lounge on the 3rd floor of the Cohon University Center. GSA also maintains a website of graduate student resources on and off-campus. GSA continues to rely on student feedback to improve the graduate student experience at CMU. Feel free to contact them at gsa@cmu.edu to get involved, stop by their office in the Cohon University Center Room 304 or become a representative for your department.

Office of International Education (OIE)

<https://www.cmu.edu/oie/>

Carnegie Mellon hosts international graduate and undergraduate students who come from more than 90 countries. The Office of International Education (OIE) is the liaison to the University for all non-immigrant students and scholars, as well the repository for study abroad opportunities. OIE provides many services including: advising on personal, immigration, study abroad, academic, and social and acculturation issues; presenting programs of interest such as international career workshops, tax workshops, and cross-cultural and immigration workshops; international education and statistics on international students in the United States; posting pertinent information to students through email and the OIE website and conducting orientation and pre-departure programs.

Veterans and Military Community

<https://www.cmu.edu/veterans/>

Military veterans are a vital part of the Carnegie Mellon University community. Graduate students can find information on applying for veteran education benefits, campus services, veteran's groups at CMU, and non-educational resources through the Veterans and Military Community website. There are also links and connections to veteran resource in the Pittsburgh community. The ROTC and Veteran Affairs Coordinator can be reached at urovaedbenefits@andrew.cmu.edu or 412-268-8747.

Carnegie Mellon Ethics Hotline

<https://www.cmu.edu/hr/resources/ethics-hotline.html>

The health, safety and well-being of the university community are top priorities at Carnegie Mellon University. CMU provides a hotline that all members of the university community should use to confidentially report suspected unethical activity, violations of university policy, or violations of law. Students, faculty and staff can anonymously file a report by calling 1-844-587-0793 or visiting <https://cmu.ethicspoint.com/>. All submissions are reported to appropriate university personnel and handled discreetly.

The hotline is NOT an emergency service. For emergencies, call University Police at 412-268-2323.

Policy Against Retaliation

It is the policy of Carnegie Mellon University to protect from retaliation any individual who makes a good faith report of a suspected violation of any applicable law or regulation, university Policy or procedure, any contractual obligation of the university, and any report made pursuant to the Carnegie Mellon University Code of Business Ethics and Conduct.

Additional details regarding the Policy Against Retaliation are available at:

<https://www.cmu.edu/policies/administrative-and-governance/whistleblower.html>

Key Offices for Academic & Research Support

Computing and Information Resources

<https://www.cmu.edu/computing/>

Computing Services maintains and supports computing resources for the campus community, including the campus wired and wireless networks, printing, computer labs, file storage, email and software catalog. As members of this community, we are all responsible for the security of these shared resources. Be sure to review the Safe Computing (<https://www.cmu.edu/computing/safe/>) section and the University Computing Policy (<https://www.cmu.edu/policies/information-technology/computing.html>)

Visit the Computing Services website (<https://www.cmu.edu/computing/>) to learn more. For assistance the Computing Services Help Center is available at 412-268-4357 (HELP) or ithelp@cmu.edu.

Student Academic Success Center

<https://www.cmu.edu/student-success/>

The Student Academic Success Center's (SASC) work to support success focuses on creating spaces for students to engage in their coursework and approach to learning through many group and

individual program options. SASC supports student success by providing academic coaching, subject-specific tutoring, effective communication strategies, accommodations for students with disabilities, and language support for multilingual learners. SASC engages with faculty and staff to improve the coordination and professional development for academic advisors. Visit the SASC website for more information about services offered in areas such as communication and language support; language and cross-cultural support; and learning support.

University Libraries

<https://www.library.cmu.edu/>

The University Libraries offers a wide range of information, resources, and services supporting graduate students in coursework, research, teaching, and publishing. The library licenses and purchases books, journals, media, and other needed materials in various formats. Library liaisons, consultants, and information specialists provide in-depth and professional assistance and advice in all-things information, including:

- Locating and obtaining specific resources
- Providing specialized research support
- Advanced training in the use and management of data

Sign up for workshops and hands-on topic-specific sessions such as data visualization with Tableau, cleaning data with OpenRefine, and getting started with Zotero. Weekly drop-in hours for Digital Humanities and for Research Data Research Management are scheduled during the academic year. Start at the library home page to find the books, journals, and databases you need; to identify and reach out to the library liaison in your field; to sign up for scheduled workshops; and to connect with consultants in scholarly publishing, research data management, and digital humanities.

Research at CMU

<https://www.cmu.edu/research/>

The primary purpose of research at the university is the advancement of knowledge in all fields in which the university is active. Research is regarded as one of the university's major contributions to society and as an essential element in education, particularly at the graduate level and in faculty development. Research activities are governed by several university policies. Guidance and more general information are found by visiting the Research at Carnegie Mellon website.

Office of Research Integrity & Compliance

<https://www.cmu.edu/research-compliance/>

The Office of Research Integrity & Compliance (ORIC) is designed to support research at Carnegie Mellon University. The staff work with researchers to ensure research is conducted with integrity and in accordance with federal and Pennsylvania regulation. ORIC assists researchers with human subject research, conflicts of interest, responsible conduct of research, export controls, and institutional animal care & use. ORIC also provides consultation, advice, and review of allegations of research misconduct.

Key Offices for Health, Wellness & Safety

Counseling & Psychological Services

<https://www.cmu.edu/counseling/>

Counseling & Psychological Services (CaPS) affords the opportunity for students to talk privately about academic and personal concerns in a safe, confidential setting. An initial consultation at CaPS can help clarify the nature of the concern, provide immediate support, and explore further options if needed. These may include a referral for counseling within CaPS, to another resource at Carnegie Mellon, or to another resource within the larger Pittsburgh community. CaPS also provides workshops and group sessions on mental health related topics specifically for graduate students on campus. CaPS services are provided at no cost. Appointments can be made in person, or by telephone at 412-268-2922.

Health Services

<https://www.cmu.edu/HealthServices/>

University Health Services (UHS) is staffed by physicians, advanced practice clinicians and registered nurses who provide general medical care, allergy injections, first aid, gynecological care, and contraception as well as on-site pharmaceuticals. The CMU Student Insurance Plan covers most visit fees to see the physicians and advanced practice clinicians & nurse visits. Fees for prescription medications, laboratory tests, diagnostic procedures and referral to the emergency room or specialists are the student's responsibility and students should review the UHS website and their insurance plan for detailed information about the university health insurance requirement and fees.

UHS also has a registered dietician and health promotion specialists on staff to assist students in addressing nutrition, drug and alcohol and other healthy lifestyle issues. In addition to providing direct health care, UHS administers the Student Health Insurance Program. The Student Health Insurance plan offers a high level of coverage in a wide network of health care providers and hospitals. Appointments can be made by visiting UHS's website, walk-in, or by telephone, 412-268-2157.

Campus Wellness

<https://www.cmu.edu/wellness/>

At Carnegie Mellon, we believe our individual and collective well-being is rooted in healthy connections to each other and to campus resources. The university provides a wide variety of wellness, mindfulness and connectedness initiatives and resources designed to help students thrive inside and outside the classroom.

Religious and Spiritual Life Initiatives (RSLI)

<https://www.cmu.edu/wellbeing/resources/religious-spiritual/index.html>

Carnegie Mellon is committed to the holistic growth of our students, including creating opportunities for spiritual and religious practice and exploration. RSLI has relationships with local houses of worship from various traditions and many of these groups are members of CMU's Council of Religious Advisors. They also offer programs and initiatives that cross traditional religious boundaries in order to increase knowledge of and appreciation for the full diversity of the worldview traditions. RSLI staff are available to support students across the spectrum of religious and spiritual practice and would be more than happy to help you make a connection into a community of faith during your time at CMU.

University Police

<https://www.cmu.edu/police/>

x2323

The University Police Department is located at 4551 Filmore Street. The department's services include police patrols and call response, criminal investigations, fixed officer and foot officer patrols, event security, and crime prevention and education programming as well as bicycle and laptop registration. Visit the department's website for additional information about the staff, emergency phone locations, crime prevention, lost and found, fingerprint services, and annual statistic reports. Carnegie Mellon University publishes an annual campus security and fire safety report describing the university's security, alcohol and drug, sexual assault, and fire safety policies. The report also contains statistics about the number and type of crimes committed on the campus and the number and cause of fires in campus residence facilities during the preceding three years. Graduate students can obtain a copy by contacting the University Police Department at [x2323](tel:x2323). The annual security and fire safety report is also available online at:

<https://www.cmu.edu/police/annualreports/>

Shuttle and Escort Services

<https://www.cmu.edu/parking/transport/>

Parking and Transportation coordinates the Shuttle Service and Escort Service provided for CMU students, faculty, and community. The Shuttle & Escort website has full information about these services, stops, routes, tracking and schedules.

The WORD

<https://www.cmu.edu/student-affairs/theword/>

The WORD is Carnegie Mellon University's online student handbook and serves as the foundation for the department (and sometimes college) handbook. The WORD contains university-wide academic policy information and resources, community policies and resources, and describes the university level procedures used to review possible violations of these standards. It is designed to provide all students with the tools, guidance, and insights to help you achieve your full potential as a member of the Carnegie Mellon community. Graduate students are encouraged to bookmark this site and refer to it often. University policies can also be found in full text at: <https://www.cmu.edu/policies/>.